

From arc5 at ix.netcom.com Sun Jan 1 10:47:46 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Sun, 1 Jan 2012 09:47:46 -0600  
Subject: [BoatAnchors] [Boatanchors] Electrolytic Reforming Time  
In-Reply-To: <5AD2EB7E54734B489E6CA52B0B6779CB@WORKSHOP>  
References:  
<109be.7b2324ee.3c2ff714@cs.com><4EFEA29C.8070802@gmail.com><4EFF7F50.7020201@comcast.net><DADD98B46BD1409D9FF43D2C9AD91C03@computer1><A4B9FA6855464160AE9C6A07A5F2EF86@LeePC><6CFE22DE255B415F9DF4F63242371351@c1408123a><FF6C2FE994444D06A207589638D34DBE@WORKSHOP><36A93A6CFC62473A9273872F8E53826F@LeePC>  
<5AD2EB7E54734B489E6CA52B0B6779CB@WORKSHOP>  
Message-ID: <098F66B96764403F808BAD40B5626608@DaddyPC>

----- Original Message -----

From: "Brian Clarke" <brianclarke01 at optusnet.com.au>  
Subject: Re: [Boatanchors] Electrolytic Reforming Time

> There was no need to become offensive. Perhaps that's your personal  
> style?  
> I merely observed that ALL the electrolytic reformation discussants  
> insulting each other were Americans.

Hello Brian.  
Your civil observation is appreciated by me and others.  
Sadly, Ad Hominem is indeed the standard mode of argumentation  
in The West now. Our education system, including secondary education,  
has been deeply corrupted and devolved to  
"the lowest common denominator" in order to falsely stamp "SUCCESS"  
on our parasitic populations and to buy their votes.

Popular culture (TV, all media) promote deep narcissism,  
a belief in complete entitlement and instant gratification.  
Standards of civil discussion and civil language have been  
completely abandoned; they are, in fact, ridiculed.  
Ham Radio is no exception. I can point you to recordings  
on the web of what is now accepted as "normal" on repeaters  
in London and Los Angeles and many other cities;  
make sure no children are around if you listen.  
Reporting this kind of filth is pointless, for the government  
drones speak to each other this way and laugh at you for reporting.  
"Debate" is no longer a rational presentation of competing ideas;  
it is, in education, an exercise in speed talking and, in civil life,  
a matter of who can be "worn down" by personal attacks the first.  
Satan isn't named "The Prince of the Power of the Air" for nothing.

This is not going to get better before The Almighty finally gets  
tired of our corruption. Sometimes I wonder if I am doing

my children any favor by teaching them to be Human Beings  
when they must live in a world populated (and run)  
by rabid, wild orangutans.

Success in the new year,  
73 Dave AB5S

From gumbear at pacbell.net Sun Jan 1 13:17:17 2012

From: gumbear at pacbell.net (Arden Allen)

Date: Sun, 1 Jan 2012 10:17:17 -0800

Subject: [BoatAnchors] [Boatanchors] Electrolytic Reforming Time

References:

<109be.7b2324ee.3c2ff714@cs.com><4EFEA29C.8070802@gmail.com><4EFF7F50.7020201@comcast.net><DADD98B46BD1409D9FF43D2C9AD91C03@computer1><A4B9FA6855464160AE9C6A07A5F2EF86@LeePC><6CFE22DE255B415F9DF4F63242371351@c1408123a><FF6C2FE994444D06A207589638D34DBE@WORKSHOP><36A93A6CFC62473A9273872F8E53826F@LeePC><5AD2EB7E54734B489E6CA52B0B6779CB@WORKSHOP>

<098F66B96764403F808BAD40B5626608@DaddyPC>

Message-ID: <000901ccc8b1\$9d2424e0\$4e9f480c@KB6NAX>

You state the condition succinctly, Dave. The Almighty isn't going to fix the problem. He's been dethroned by the new Church of The Electron. We now live in the Brave New World. What we have wrought by technology is a machine with the life qualities of a tarantula spider. We go about our habits with the enthusiasim of a cock roach, looking to gratify our carefully crafted pallet of decayed delicacies, unaware of what awaits us. We are not free men and woman, we are the digestees of that machine.

Arden Allen  
KB6NAX

Stupidity is far more dangerous than evil,  
for evil takes a break from time to time,  
stupidity does not. - Anatole France

----- Original Message -----

From: David Stinson

To: boatanchors at theporch.com

Sent: Sunday, January 01, 2012 7:47 AM

Subject: Re: [BoatAnchors] [Boatanchors] Electrolytic Reforming Time

----- Original Message -----

From: "Brian Clarke" <brianclarke01 at optusnet.com.au>

Subject: Re: [Boatanchors] Electrolytic Reforming Time

> There was no need to become offensive. Perhaps that's your personal  
> style?  
> I merely observed that ALL the electrolytic reformation discussants  
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my children any favor by teaching them to be Human Beings  
when they must live in a world populated (and run)  
by rabid, wild orangutans.

Success in the new year,  
73 Dave AB5S

-----  
BoatAnchors mailing list

BoatAnchors at theporch.com  
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From wb3fau at att.net Sun Jan 1 17:26:35 2012  
From: wb3fau at att.net (wb3fau at att.net)  
Date: Sun, 1 Jan 2012 14:26:35 -0800 (PST)  
Subject: [BoatAnchors] electrolytics and who runs the show  
Message-ID: <1325456795.13441.YahooMailClassic@web180210.mail.gq1.yahoo.com>

OK on all folks, myself, i think i will just replace the bad electrolytics, pretty cheap stuff...Russ.

From wb0eq at yahoo.com Mon Jan 2 16:17:27 2012  
From: wb0eq at yahoo.com (John Sehring)  
Date: Mon, 2 Jan 2012 13:17:27 -0800 (PST)  
Subject: [BoatAnchors] Xtal for Drake R-4\* receiver  
Message-ID: <1325539047.2225.YahooMailNeo@web45606.mail.sp1.yahoo.com>

Am looking for a receive xtal for my Drake R-4A/T-4B combo.

I'd like to listen/tx between 29.5 to 30.0 MHz.? The xtal I had for it went bad.

It's a 40.6 MHz series resonant? xtal, 0.5" pin spacing, .05" pin diameter (skinny type).

Anyone have one for sale?? If not, an inexpensive source of xtals?? Xtal does not have to be tight tolerance, can be adjusted for by receiver.

Thanks.

?

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

From wb0eq at yahoo.com Tue Jan 3 11:19:02 2012  
From: wb0eq at yahoo.com (John Sehring)  
Date: Tue, 3 Jan 2012 08:19:02 -0800 (PST)  
Subject: [BoatAnchors] Fw: Xtal for Drake R-4\* receiver  
In-Reply-To: <7FD180230E8743908B063D967D1C38BA@hullmain>  
References: <1325539047.2225.YahooMailNeo@web45606.mail.sp1.yahoo.com>  
<7FD180230E8743908B063D967D1C38BA@hullmain>  
Message-ID: <1325607542.61117.YahooMailNeo@web45608.mail.sp1.yahoo.com>

Formula is to subtract 11.1 MHz from the xtal frequency to get the band coverage.

So,? that is 26.778 Mhz,? 11 m CB!

But thanks kindly for the offer, Ronnie!  
?

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

----- Forwarded Message -----

> From: Ronnie Hull <w5sum at glowbugs.com>  
> To: John Sehring <wb0eq at yahoo.com>  
> Cc:  
> Sent: Monday, January 2, 2012 4:39:55 PM  
> Subject: Re: [BoatAnchors] Xtal for Drake R-4\* receiver  
>  
> John  
> I bought a R4B that was loaded with extra crystals. One of them oddly enough is  
> 37.7778? I can't for the life of me figure out exactly what frequency this  
> would put you on but it has to be at least close to what you need. See if YOU  
> can figure out what it is and if it will help ya out its yours for postage.  
>  
> Ronnie  
>

From navy.radio at gmail.com Tue Jan 3 11:40:32 2012  
From: navy.radio at gmail.com (Nick England)  
Date: Tue, 3 Jan 2012 11:40:32 -0500  
Subject: [BoatAnchors] vintage ham radio estate - Houston  
Message-ID: <CAB55hNfgCFzK1t40H6iLRXamc60tT-1uSZKo6=PEF6fy2o+8Yw@mail.gmail.com>

Hi Gang - here's info about an estate sale in Houston -  
Please contact Antonio directly - I know nothing at all about the equipment.  
73 & Happy New Year  
Nick K4NYW

----- Forwarded message -----

From: Antonio J. Re?azco <ajrhoutx at aol.com>  
Date: Mon, Jan 2, 2012 at 2:01 AM  
Subject: Re: vintage ham radio equipment  
To: navy.radio at gmail.com

Hello Nick

Thank you for answering my email so quickly.? I wish I could tell you  
exactly what gear I have.? If someone is interested in buying the gear

I guess they would have to come to look at it.? It belongs to my father who passed away in December.? We are trying to clear out his home to sell the home.

There are 4 large pieces and several small pieces.? He has not used the equipment since 1978 and it has been stored in a closet in his home.? When he moved from one neighborhood to another in 1978 the deed restrictions at the present home did not allow the use of ham radio equipment.? He kept the equipment with the hope that the deed restrictions would change but that never happened.

My father used the equipment as a hobby and contacted many people doing a "phone patch" back in the days when long distant telephone calls were very expensive.? Many of his contacts helped him connect families in central and South America to friends and relatives in Houston for medical care at the Houston medical center.? I have 68 postcards he received from contacts.? Back then before all of the new technology when he would meet someone over the radio he would send them a postcard with his information and they would do the same.

I hope someone will be interested in the gear.

Thanks and best regards

From: Nick England <navy.radio at gmail.com>  
To: Antonio J. Re?azco <ajrhoutx at aol.com>  
Sent: Sat, Dec 31, 2011 7:08 am  
Subject: Re: vintage ham radio equipment

Hello Antonio - I am now concentrating on US Navy radio gear from the 1950's and 60's, but have a bunch of friends who enjoy collecting, restoring, and operating old ham radio gear. Please let me know what you have and I'll pass along the info to some Houston-area friends.  
best regards,  
Nick K4NYW

On Sat, Dec 31, 2011 at 1:08 AM, Antonio J. Re?azco <ajrhoutx at aol.com> wrote:

> I saw your site on the inter net.? You have an amazing collection displayed  
> there.

>

> I have some ham equipment from the 1970's I would like to sell.? I am  
> located in Houston, TX.

>

> Please email me if you would be interested in purchasing or know of anyone  
> in or near Houston, TX? who might be interested.

>

> Thanks  
>

From bkemp at bobbkemp.com Sat Jan 7 08:08:28 2012  
From: bkemp at bobbkemp.com (Bob Kemp)  
Date: Sat, 7 Jan 2012 07:08:28 -0600  
Subject: [BoatAnchors] crystals needed  
Message-ID: <94A3B45B518845E491ED1C76D093EED5@robert7549ca67>

Anyone have the following crystals for my SX-117. Standard HC-6 holders I believe.

6.5 mhz

7.0

7.5

8.0

8.5

9.0

This is for my HA-10 160 meter converter.

Thanks.

Bob

wa0vrc

From artleb at earthlink.net Sat Jan 7 21:19:17 2012  
From: artleb at earthlink.net (Art Lebermann)  
Date: Sat, 7 Jan 2012 18:19:17 -0800  
Subject: [BoatAnchors] Need cabinet for 75A-3 rcvr.  
Message-ID: <380-2201210821917659@earthlink.net>

I'm looking for a cabinet for a Collins 75A-3 receiver. OK if it needs re-painting.

Art Lebermann  
W6REQ  
Alameda, CA  
(San Francisco Bay area)

From jmac6235 at yahoo.com Sat Jan 7 22:15:50 2012  
From: jmac6235 at yahoo.com (J.D. MacAulay, WQ8U)

Date: Sat, 7 Jan 2012 19:15:50 -0800 (PST)  
Subject: [BoatAnchors] Classic Exchange "CX" Newsletter On-Line  
Message-ID: <1325992550.59532.YahooMailClassic@web112602.mail.gq1.yahoo.com>

The newsletter for the September 2011 Classic Exchange is available on the CX website [classicexchange.org](http://classicexchange.org) The details of the January / February 2012 Classic Exchange are also there. ?Boat?Anchor DX is scheduled for this CX. ?See the website for more information.

Mac

WQ8U

Hillsborough, NC

From bkemp at bobbkemp.com Mon Jan 9 19:52:15 2012  
From: bkemp at bobbkemp.com (Bob Kemp)  
Date: Mon, 9 Jan 2012 18:52:15 -0600  
Subject: [BoatAnchors] Hallicrafters for sale/trade  
Message-ID: <E487237123F8401C8D3E79FA80C191AF@robert7549ca67>

Looking to sell or trade some Halli gear:  
Nice SR160 with supply Value \$300  
SR500 with p500 ac supply \$450  
SR160 junker \$50

Looking for Ten Tec or Collins.  
Bob  
wa0vrc

From wwatson5 at sbcglobal.net Tue Jan 10 12:45:26 2012  
From: wwatson5 at sbcglobal.net (William Watson)  
Date: Tue, 10 Jan 2012 09:45:26 -0800 (PST)  
Subject: [BoatAnchors] sup  
Message-ID: <1326217526.84823.yint-ygo-j2me@web81401.mail.mud.yahoo.com>

This gift for you <http://consejerosife04ver.com/white.html>

From W6cds at aol.com Thu Jan 12 22:03:26 2012  
From: W6cds at aol.com (W6cds at aol.com)  
Date: Thu, 12 Jan 2012 22:03:26 -0500 (EST)  
Subject: [BoatAnchors] Fluoresce Light with movement switch  
Message-ID: <10e6a.2a7f3234.3c40f8fe@aol.com>



I want to use a fluoresce light with an automatic movement detection switch .It works fine turning the light off and on except when it turns off, the light then flickers. Some place in the past, probably in "Nuts & Bolts" I remember someone with the same problem but don't remember the answer. Does anyone know the solutiion? Thanks. w6cds

From W6cds at aol.com Fri Jan 13 12:54:31 2012  
From: W6cds at aol.com (W6cds at aol.com)  
Date: Fri, 13 Jan 2012 12:54:31 -0500 (EST)  
Subject: [BoatAnchors] Fluorescent Light with movement switch Solved  
Message-ID: <1152f.4c9583b1.3c41c9d7@aol.com>

Problem solved for me. They do make switches that work the newer Fluorescent lights but you can also use one regular bulb and as many fluorescent lights as you want with it. This is what I'm doing and it works perfect. Thank you all for your help. Charles w6cds

In a message dated 1/13/2012 3:56:49 A.M. Pacific Standard Time, rbaldwin14 at nc.rr.com writes:

I have had the same problem here in Durham, NC. I guess that Southern and Western lights work the same. I don't have the solution, but would like to hear whatever you get from this thread.

I have two of them installed. The one with the old fashioned ballast, the big heavy black one, seems to work fine for a year or two and then kills the ballast. The replacement for the other came with the newer, electronic ballast. That one acts exactly as you state, flickers on the sense setting.

Thanks for asking as I have been wondering the same thing.

Rich Baldwin  
KD6VK

-----Original Message-----

Subject: [BoatAnchors] Fluorescent Light with movement switch

I want to use a fluorescent light with an automatic movement detection switch .It works fine turning the light off and on except when it turns off, the light then flickers. Some place in the past, probably in "Nuts & Volts" I remember someone with the same problem but don't remember the answer. Does anyone know the solutiion? Thanks. w6cds

-----  
From richardlo at admin.athabascau.ca Fri Jan 13 13:25:13 2012  
From: richardlo at admin.athabascau.ca (Richard Loken)  
Date: Fri, 13 Jan 2012 11:25:13 -0700 (MST)  
Subject: [BoatAnchors] Fluorescent Light with movement switch Solved  
In-Reply-To: <1152f.4c9583b1.3c41c9d7@aol.com>  
References: <1152f.4c9583b1.3c41c9d7@aol.com>  
Message-ID: <alpine.BSF.2.00.1201131121120.46001@discord.bogons>

On Fri, 13 Jan 2012, W6cds at aol.com wrote:

> Problem solved for me. They do make switches that work the newer  
> Fluorescent lights but you can also use one regular bulb and as many  
> fluorescent lights as you want with it. This is what I'm doing and it  
> works perfect. Thank you all for your help. Charles w6cds

I suspect that if you hung a scope across the line that you would find  
the answer fairly quickly. Naturally, scoping the ac line would require  
some care and attention to protect both you and the scope. The fact that  
adding an incandescent bulb cures the problem points you at the cause...  
No?

I don't have any such switches around here so I lack the interest to  
think about it any further.

--

Richard Loken VE6BSV, Unix System Administrator	: "Anybody can be a father
Athabasca University	: but you have to earn
Athabasca, Alberta Canada	: the title of 'daddy'"
** richardlo at admin.athabascau.ca **	: - Lynn Johnston

From wb3fau at att.net Fri Jan 13 20:12:31 2012  
From: wb3fau at att.net (wb3fau at att.net)  
Date: Fri, 13 Jan 2012 17:12:31 -0800 (PST)  
Subject: [BoatAnchors] Viking 2  
Message-ID: <1326503551.26141.YahooMailClassic@web180216.mail.gq1.yahoo.com>

I have a project mode Viking 2. It has no modulation transformer. I have  
found "donor" replacement. My question is- there appears to be  
2 secondary windings. One winding seems to have slightly larger  
resistance- 36 ohms. The other has 30 ohms. I think the 36 ohm  
winding is the one to use. Wire colors are green-yellow to green.  
If someone would kindly verify my findings as correct? Russ.

From kd5byb at kd5byb.net Sat Jan 14 11:11:33 2012  
From: kd5byb at kd5byb.net (Ben Hall)  
Date: Sat, 14 Jan 2012 10:11:33 -0600  
Subject: [BoatAnchors] BC-348 versus BC-312 / BC-342  
Message-ID: <4F11A935.70400@kd5byb.net>

Good morning all,

Was supposed to clean up the garage this morning but after two hours out there, I decided it was too cold and came inside.

Lined up on the bench for this Winter is the final of three BC-348's that came to live with me last year. Going through some of my paperwork, I came across a PDF manual (probably from BAMA) of a BC-342.

That reminded me of a question I have had - when I first started working on the BC-348's, someone mentioned, I think, that the BC-342/312 was preferred by hams in the day to the 348. Comparing the designs, they look electrically like they'd be pretty comparable.

So what was it that made the 312/342 preferred to the 348?

thanks much and 73,  
ben, kd5byb

From kb8tad at gmail.com Sat Jan 14 13:01:14 2012  
From: kb8tad at gmail.com (Rich Post)  
Date: Sat, 14 Jan 2012 13:01:14 -0500  
Subject: [BoatAnchors] BC-348 versus BC-312 / BC-342  
In-Reply-To: <4F11A935.70400@kd5byb.net>  
References: <4F11A935.70400@kd5byb.net>  
Message-ID: <CAEJr0Fvf51iTHWZvhyLiwU8jo2dNq5JdfRkGZWWxL0vQzfYAjwt@mail.gmail.com>

The BC-342 is 115 VAC native. Therefore ready to go, no modifications needed for power. I like them both but personally prefer the BC-348. It's a lot lighter (aluminum, obviously designed for aircraft use) and, to my eye, better looking.

73,  
Rich KB8TAD

On Sat, Jan 14, 2012 at 11:11 AM, Ben Hall <kd5byb at kd5byb.net> wrote:  
> Good morning all,  
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> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From al at ar88.net Sat Jan 14 12:54:11 2012  
From: al at ar88.net (Al Klase)  
Date: Sat, 14 Jan 2012 12:54:11 -0500  
Subject: [BoatAnchors] BC-348 versus BC-312 / BC-342  
In-Reply-To: <4F11A935.70400@kd5byb.net>  
References: <4F11A935.70400@kd5byb.net>  
Message-ID: <4F11C143.8040009@ar88.net>

Hello Ben,

The two radios are electrically quite similar. The 348 was designed by RCA in Camden, NJ. The BC-342 family was designed at the Signal Corps Laboratory at Fort Monmouth, NJ while they were looking over RCA shoulder.

For ham purposes:

- 1) The BC-342 with its steel chassis does a better job of holding down the bench.
- 2) The BC-342 offers somewhat better selectivity do to its 470 KC IF. The 348 had to compromise on this, using 915 KC to allow the long-wave band to be accommodated.
- 3) There may be some differences in the characteristics of the crystal filter.
- 4) The vervnier on the 342 tuning knob allows one to reset a frequency more effectively.

Al

On 1/14/2012 11:11 AM, Ben Hall wrote:

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> thanks much and 73,  
> ben, kd5byb  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>  
> -----  
> No virus found in this message.  
> Checked by AVG - [www.avg.com](http://www.avg.com)  
> Version: 2012.0.1901 / Virus Database: 2109/4742 - Release Date: 01/14/12

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Al Klase - N3FRQ  
Jersey City, NJ  
<http://www.skywaves.ar88.net/>

From w7qho at aol.com Sat Jan 14 14:05:41 2012  
From: w7qho at aol.com (mac)  
Date: Sat, 14 Jan 2012 11:05:41 -0800  
Subject: [BoatAnchors] BC-348 versus BC-312 / BC-342  
In-Reply-To: <4F11A935.70400@kd5byb.net>  
References: <4F11A935.70400@kd5byb.net>  
Message-ID: <84DB5849-1334-458A-BCD1-EC73ED6D1E59@aol.com>

Pretty much a toss-up in my opinion. The 348 is somewhat more

attractive to look and easier to move around as others have mentioned. Also easier to work on internally, particularly recapping. The 342 comes with an internal 115vac supply. The separate fast tune and vernier controls on the 342/312 are handy, the 348 is "vernier only" and one can do a lot of cranking when changing bands. On selectivity the 342/312 has a lower IF frequency as noted, but I find the 348's xtal filter to be more useful on phone. In many hours of side by side use, though, I found just about any signal could be heard equally well or equally poorly on either radio. Finally, though, I seem to remember seeing and hearing about more 348's in ham use back in the 1950s than 342/312s.

Happy owner of examples of all three...

Dennis D. W7QHO  
Glendale, CA

\*\*\*\*\*

On Jan 14, 2012, at 8:11 AM, Ben Hall wrote:

> Good morning all,  
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> the designs, they look electrically like they'd be pretty comparable.  
>  
> So what was it that made the 312/342 preferred to the 348?  
>  
> thanks much and 73,  
> ben, kd5byb  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From artleb at earthlink.net Sat Jan 14 17:01:16 2012  
From: artleb at earthlink.net (Art Lebermann)

Date: Sat, 14 Jan 2012 14:01:16 -0800  
Subject: [BoatAnchors] Viking 2  
Message-ID: <380-22012161422116484@earthlink.net>

Russ...

The factory manual shows two secondary windings. Color codes are "green/yellow - green" and "red/yellow - yellow". The wire chart says both have resistance of 36 ohms. I'm not sure how they were connected. I have a Viking 2 in storage, and can take a look if you need more info.

73,  
ART  
W6REQ

> [Original Message]  
> From: <wb3fau at att.net>  
> To: <boatanchors at theporch.com>  
> Date: 1/13/2012 5:12:32 PM  
> Subject: [BoatAnchors] Viking 2  
>  
> I have a project mode Viking 2. It has no modulation transformer. I have found "donor" replacement. My question is- there appears to be  
> 2 secondary windings. One winding seems to have slightly larger  
> resistance- 36 ohms. The other has 30 ohms. I think the 36 ohm  
> winding is the one to use. Wire colors are green-yellow to green.  
> If someone would kindly verify my findings as correct? Russ.  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From bill at iaxs.net Sat Jan 14 17:39:25 2012  
From: bill at iaxs.net (Bill Hawkins)  
Date: Sat, 14 Jan 2012 16:39:25 -0600  
Subject: [BoatAnchors] General Radio 1001-A Signal Generator  
In-Reply-To: <380-22012161422116484@earthlink.net>  
References: <380-22012161422116484@earthlink.net>  
Message-ID: <98FAF1C8DC63497FA34026AADD3CC4A3@cyrus>

Anyone interested in a fine old GR signal generator?

Comes with manual and adaptors, including BNC.

Bought it from Don Merz in 1993.

Bill Hawkins

From rparker at dccnet.com Sat Jan 14 19:52:11 2012  
From: rparker at dccnet.com (Ralph Parker)  
Date: Sat, 14 Jan 2012 16:52:11 -0800  
Subject: [BoatAnchors] Viking 2 mod xfmr  
Message-ID: <3.0.6.32.20120114165211.00b33e28@pop3.dccnet.com>

>>One winding seems to have... 36 ohms. The other has 30 ohms.

>The factory manual shows two secondary windings. Color codes are  
>"green/yellow - green" and "red/yellow - yellow". The wire chart says both  
>have resistance of 36 ohms. I'm not sure how they were connected.

I've seen many manuals that show that the resistances on either side of a center tap are not the same.

The assembly manual is available on BAMA as a .DJVU file.  
Page 24 details the wiring of the modulation xformer.  
I can't excerpt text from that file, otherwise I'd include it.

Ralph, VE7XF

From w7qho at aol.com Sat Jan 14 20:36:57 2012  
From: w7qho at aol.com (mac)  
Date: Sat, 14 Jan 2012 17:36:57 -0800  
Subject: [BoatAnchors] Viking 2  
In-Reply-To: <1326503551.26141.YahooMailClassic@web180216.mail.gq1.yahoo.com>  
References: <1326503551.26141.YahooMailClassic@web180216.mail.gq1.yahoo.com>  
Message-ID: <860CC12C-CAD0-444F-B3AF-79C7DF3B6EA8@aol.com>

The Viking 2 modulation xformer has only one secondary winding. I take it that your "donor" is not a is not an original V-2 unit? The important considerations here would be correct primary to secondary impedance ratios and, of course, the power handling capability of the replacement.

Dennis D. W7QHO  
Glendale, CA



On Jan 13, 2012, at 5:12 PM, wb3fau at att.net wrote:

> I have a project mode Viking 2. It has no modulation  
> transformer. I have found "donor" replacement. My question is-  
> there appears to be  
> 2 secondary windings. One winding seems to have slightly larger  
> resistance- 36 ohms. The other has 30 ohms. I think the 36 ohm  
> winding is the one to use. Wire colors are green-yellow to green.  
> If someone would kindly verify my findings as correct? Russ.  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From w7qho at aol.com Sat Jan 14 20:51:23 2012

From: w7qho at aol.com (mac)

Date: Sat, 14 Jan 2012 17:51:23 -0800

Subject: [BoatAnchors] Viking 2

In-Reply-To: <860CC12C-CAD0-444F-B3AF-79C7DF3B6EA8@aol.com>

References: <1326503551.26141.YahooMailClassic@web180216.mail.gq1.yahoo.com>

<860CC12C-CAD0-444F-B3AF-79C7DF3B6EA8@aol.com>

Message-ID: <5D5E482E-1073-413C-91C2-ACF8F769DF5B@aol.com>

OK, more than one schematic of the mod xformer in the manual, the thing has essentially a center-tapped secondary to allow driving a higher power modulator. For normal use bring B+ into the Gn-Yel wire, connect the Gn and the Rd-Yel wires together and the Yel wire goes up to the 6146 PAs.

Disregard my previous...

DD

\*\*\*\*\*

On Jan 14, 2012, at 5:36 PM, mac wrote:

> The Viking 2 modulation xformer has only one secondary winding. I  
> take it that your "donor" is not a is not an original V-2 unit? The  
> important considerations here would be correct primary to secondary  
> impedance ratios and, of course, the power handling capability of  
> the replacement.  
>  
> Dennis D. W7QH0

> Glendale, CA  
>  
>  
>  
> On Jan 13, 2012, at 5:12 PM, wb3fau at att.net wrote:  
>  
>> I have a project mode Viking 2. It has no modulation  
>> transformer. I have found "donor" replacement. My question is-  
>> there appears to be  
>> 2 secondary windings. One winding seems to have slightly larger  
>> resistance- 36 ohms. The other has 30 ohms. I think the 36 ohm  
>> winding is the one to use. Wire colors are green-yellow to green.  
>> If someone would kindly verify my findings as correct? Russ.  
>> -----  
>> BoatAnchors mailing list  
>> BoatAnchors at theporch.com  
>> <https://minime.theporch.com/mailman/listinfo/boatanchors>  
>

From pulsarxp at embarqmail.com Sat Jan 14 20:50:57 2012  
From: pulsarxp at embarqmail.com (L L bahr)  
Date: Sat, 14 Jan 2012 20:50:57 -0500 (EST)  
Subject: [BoatAnchors] Viking 2  
In-Reply-To: <860CC12C-CAD0-444F-B3AF-79C7DF3B6EA8@aol.com>  
Message-ID: <882131140.109558.1326592257000.JavaMail.root@md35.embarq.synacor.com>

The Viking 2 modulation transformer has one secondary winding (BLUE and BROWN).  
It has two primary windings (YELLOW and RED/YELLOW) (GREEN and GREEN/YELLOW).

Lee, w0vt

On Jan 13, 2012, at 5:12 PM, wb3fau at att.net wrote:

> I have a project mode Viking 2. It has no modulation  
> transformer. I have found "donor" replacement. My question is-  
> there appears to be  
> 2 secondary windings. One winding seems to have slightly larger  
> resistance- 36 ohms. The other has 30 ohms. I think the 36 ohm  
> winding is the one to use. Wire colors are green-yellow to green.  
> If someone would kindly verify my findings as correct? Russ.  
> -----  
> BoatAnchors mailing list

> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

-----  
BoatAnchors mailing list  
BoatAnchors at theporch.com  
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From k4oah at mindspring.com Sat Jan 14 21:19:25 2012  
From: k4oah at mindspring.com (Garey Barrell)  
Date: Sat, 14 Jan 2012 21:19:25 -0500  
Subject: [BoatAnchors] Viking 2  
In-Reply-To: <5D5E482E-1073-413C-91C2-ACF8F769DF5B@aol.com>  
References: <1326503551.26141.YahooMailClassic@web180216.mail.gq1.yahoo.com>  
<860CC12C-CAD0-444F-B3AF-79C7DF3B6EA8@aol.com>  
<5D5E482E-1073-413C-91C2-ACF8F769DF5B@aol.com>  
Message-ID: <4F1237AD.8050009@mindspring.com>

Correct. ONE secondary, center tapped, four wires brought out. Lotsa wire, so more wire needed for the winding 'half' furthest from the core for the same number of turns, so higher DC resistance.

73, Garey - K40AH  
Glen Allen, VA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line  
and TR-4/C Service Supplement CDs  
<[www.k4oah.com](http://www.k4oah.com)>

mac wrote:

> OK, more than one schematic of the mod xformer in the manual, the thing has essentially a  
> center-tapped secondary to allow driving a higher power modulator. For normal use bring B+ into  
> the Gn-Yel wire, connect the Gn and the Rd-Yel wires together and the Yel wire goes up to the 6146  
> PAs.  
>  
> Disregard my previous...  
>  
> DD  
>  
> \*\*\*\*\*  
>  
> On Jan 14, 2012, at 5:36 PM, mac wrote:

>>  
>>  
>> On Jan 13, 2012, at 5:12 PM, wb3fau at att.net wrote:  
>>  
>>> I have a project mode Viking 2. It has no modulation transformer. I have found "donor"  
>>> replacement. My question is- there appears to be  
>>> 2 secondary windings. One winding seems to have slightly larger  
>>> resistance- 36 ohms. The other has 30 ohms. I think the 36 ohm  
>>> winding is the one to use. Wire colors are green-yellow to green.  
>>> If someone would kindly verify my findings as correct? Russ.  
>>> -----  
>

From rparker at dccnet.com Sat Jan 14 21:37:27 2012  
From: rparker at dccnet.com (Ralph Parker)  
Date: Sat, 14 Jan 2012 18:37:27 -0800  
Subject: [BoatAnchors] Viking 2 mod xfmr versions  
In-Reply-To: <5D5E482E-1073-413C-91C2-ACF8F769DF5B@aol.com>  
References: <860CC12C-CAD0-444F-B3AF-79C7DF3B6EA8@aol.com>  
<1326503551.26141.YahooMailClassic@web180216.mail.gq1.yahoo.com>  
<860CC12C-CAD0-444F-B3AF-79C7DF3B6EA8@aol.com>  
Message-ID: <3.0.6.32.20120114183727.00b3fb30@pop3.dccnet.com>

>.... the thing has essentially a center-tapped secondary to allow driving...  
>Disregard my previous...

I'll disregard this one, too (sorry).

It seems that there is more than one version of both the schematic and the transformer.

My viking II assembly manual (revised 12-53) says "The modulation transformer has dual secondary windings, normally series connected...." and my version of the Viking II (currently upside-down on the bench for some audio mods) bears this out.

I'd quote the connections from the assembly manual, but they don't agree with the way my transmitter is wired, and, to add to the confusion, don't agree with my 'common sense' idea of how a modulator should be wired.

I can't remember anything about the wiring of my original Viking II in 1958, other than it DID have a modulation transformer.

Ralph, VE7XF

From rparker at dccnet.com Sat Jan 14 21:37:06 2012  
From: rparker at dccnet.com (Ralph Parker)  
Date: Sat, 14 Jan 2012 18:37:06 -0800  
Subject: [BoatAnchors] Viking 2 mod xfmr versions  
In-Reply-To: <5D5E482E-1073-413C-91C2-ACF8F769DF5B@aol.com>  
References: <860CC12C-CAD0-444F-B3AF-79C7DF3B6EA8@aol.com>  
<1326503551.26141.YahooMailClassic@web180216.mail.gq1.yahoo.com>  
<860CC12C-CAD0-444F-B3AF-79C7DF3B6EA8@aol.com>  
Message-ID: <3.0.6.32.20120114183706.00b3fb30@pop3.dccnet.com>

>.... the thing has essentially a center-tapped secondary to allow driving...  
>Disregard my previous...

I'll disregard this one, too (sorry).

It seems that there is more than one version of both the schematic and the transformer.

My viking II assembly manual (revised 12-53) says "The modulation transformer has dual secondary windings, normally series connected...." and my version of the Viking II (currently upside-down on the bench for some audio mods) bears this out.

I'd quote the connections from the assembly manual, but they don't agree with the way my transmitter is wired, and, to add to the confusion, don't agree with my 'common sense' idea of how a modulator should be wired.

I can't remember anything about the wiring of my original Viking II in 1958, other than it DID have a modulation transformer.

Ralph, VE7XF

From w3nu at roadrunner.com Sat Jan 14 23:24:30 2012  
From: w3nu at roadrunner.com (Charles Ring)  
Date: Sat, 14 Jan 2012 23:24:30 -0500  
Subject: [BoatAnchors] BC-224, Re: BC-348 versus BC-312 / BC-342  
In-Reply-To: <84DB5849-1334-458A-BCD1-EC73ED6D1E59@aol.com>  
References: <4F11A935.70400@kd5byb.net>  
<84DB5849-1334-458A-BCD1-EC73ED6D1E59@aol.com>  
Message-ID: <4F1254FE.3060204@roadrunner.com>

Now, where does my BC-224 fit into this scene?

On 1/14/2012 1405, mac wrote:

> Pretty much a toss-up in my opinion. The 348 is somewhat more  
> attractive to look and easier to move around as others have  
> mentioned. Also easier to work on internally, particularly  
> recapping. The 342 comes with an internal 115vac supply. The  
> separate fast tune and vernier controls on the 342/312 are handy, the  
> 348 is "vernier only" and one can do a lot of cranking when changing  
> bands. On selectivity the 342/312 has a lower IF frequency as noted,  
> but I find the 348's xtal filter to be more useful on phone. In many  
> hours of side by side use, though, I found just about any signal could  
> be heard equally well or equally poorly on either radio. Finally,  
> though, I seem to remember seeing and hearing about more 348's in ham  
> use back in the 1950s than 342/312s.  
>  
> Happy owner of examples of all three...  
>  
> Dennis D. W7QHO  
> Glendale, CA  
>  
>

From w7qho at aol.com Sun Jan 15 01:36:56 2012

From: w7qho at aol.com (mac)

Date: Sat, 14 Jan 2012 22:36:56 -0800

Subject: [BoatAnchors] BC-224, Re: BC-348 versus BC-312 / BC-342

In-Reply-To: <4F1254FE.3060204@roadrunner.com>

References: <4F11A935.70400@kd5byb.net>

<84DB5849-1334-458A-BCD1-EC73ED6D1E59@aol.com>

<4F1254FE.3060204@roadrunner.com>

Message-ID: <F7EDD46F-B8A5-45B5-93BD-08B40610FCEC@aol.com>

A 12 volt BC-348. The early (BC-224A) models considerably different in appearance.

DD

\*\*\*\*\*

On Jan 14, 2012, at 8:24 PM, Charles Ring wrote:

> Now, where does my BC-224 fit into this scene?

>

>

>

>

> On 1/14/2012 1405, mac wrote:

>> Pretty much a toss-up in my opinion. The 348 is somewhat more

>> attractive to look and easier to move around as others have  
>> mentioned. Also easier to work on internally, particularly  
>> recapping. The 342 comes with an internal 115vac supply. The  
>> separate fast tune and vernier controls on the 342/312 are handy,  
>> the 348 is "vernier only" and one can do a lot of cranking when  
>> changing bands. On selectivity the 342/312 has a lower IF  
>> frequency as noted, but I find the 348's xtal filter to be more  
>> useful on phone. In many hours of side by side use, though, I found  
>> just about any signal could be heard equally well or equally poorly  
>> on either radio. Finally, though, I seem to remember seeing and  
>> hearing about more 348's in ham use back in the 1950s than 342/312s.  
>>  
>> Happy owner of examples of all three...  
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>> Dennis D. W7QHO  
>> Glendale, CA  
>>  
>>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From mike\_25-z at aafradio.org Sun Jan 15 08:00:19 2012  
From: mike\_25-z at aafradio.org (aafradio)  
Date: Sun, 15 Jan 2012 08:00:19 -0500  
Subject: [BoatAnchors] BC-224, Re: BC-348 versus BC-312 / BC-342  
In-Reply-To: <F7EDD46F-B8A5-45B5-93BD-08B40610FCEC@aol.com>  
References: <4F11A935.70400@kd5byb.net><84DB5849-1334-458A-BCD1-  
EC73ED6D1E59@aol.com><4F1254FE.3060204@roadrunner.com>  
<F7EDD46F-B8A5-45B5-93BD-08B40610FCEC@aol.com>  
Message-ID: <4F12CDE3.2090509@aafradio.org>

On 1/15/2012 1:36 AM, mac wrote:  
> A 12 volt BC-348. The early (BC-224A) models considerably different  
> in appearance.  
> \*\*\*\*\*  
> On Jan 14, 2012, at 8:24 PM, Charles Ring wrote:  
>> Now, where does my BC-224 fit into this scene?

The BC-224-A is certainly different in appearance, but interestingly  
enough not in performance. The one here in the shack  
(<http://aafradio.org/flightdeck/1935/BC-224-A.html> ) works about as well  
as the BC-348(non-Q) models, which is not surprising since it has almost  
the same circuit design as all the double ended tube variants that  
followed it (though not the same tubes). Sensitivity of both the -A and

later models is specified as better than 3uV at 10mW audio output. My old friend Ken Corwin (SK) succinctly described the development in this way:

"Designed by RCA in the mid-1930s to U.S. Army Signal Corps specifications for a 14-volt DC powered aircraft receiver (in all likelihood to be used with the BC-191 transmitter it already had), the first production BC-224 by RCA was the BC-224-A. Based on Air Corps experience with the BC-224-A, RCA redesigned the receiver to include four separate removable bandswitching coil modules, a redesigned dial and mask assembly, and an improved dynamotor assembly. The newly redesigned receiver became the BC-224-B. Satisfied with the BC-224-B, the Signal Corps had RCA make a 28-volt DC version and called it the BC-348-B. There was no BC-348-A.

The BC-224-A, -B, -C, and -D; and the BC-348-B, and -C, tuned 1.5-18 mc in six bands. The Signal Corps had the receiver design modified to add a 200-500 kc band and compress the 1.5-18 mc coverage into the remaining five bands. This modified design became the BC-224-E and the BC-348-E. The 200-500 kc and 1.5-18 mc tuning range remained constant for subsequent production of all models. In 1943, the Signal Corps (or RCA) had Belmont Radio remanufacture some of the RCA-manufactured BC-348-Cs to include the 200-500 kc band. This remanufactured receiver became the BC-348-S. While the BC-224-A used a BD-94-A (14-V) dynamotor and an FT-154 mounting, all the BC-224-B/BC-348-B and later receivers used DM-24 (14-V) and DM-28 (28-V) dynamotors, FT-154 (lettered series) and FT-167 mountings, PL-P103, PL-Q103, and PL-Q103-A plugs. More than 100,000 of these receivers were produced: 80 percent of them by Belmont Radio and Wells Gardner in Chicago; the balance by RCA and Stromberg-Carlson, in the New York/New Jersey area. Except for the General Electric dynamotor in the BC-224-A, Eicor, Inc., Russell Electric Co., and Webster-Chicago Corp., all of Chicago, appear to have manufactured all the dynamotors used with these receivers."

73,  
Mike KC4TOS

From wb0eq at yahoo.com Sun Jan 15 12:33:31 2012  
From: wb0eq at yahoo.com (John Sehring)  
Date: Sun, 15 Jan 2012 09:33:31 -0800 (PST)



Subject: [BoatAnchors] General Radio 1001-A signal gen.

Message-ID: <1326648811.72033.YahooMailNeo@web45603.mail.sp1.yahoo.com>

The General Radio 1001-A signal generator is a beauty!? I've rarely seen such lavish construction.

E.g. small chrome-plated tabs to ID each tube.

Mine was a bit scrubby on the outside but inside was pristine.? I like that internal aluminum rod stiffening cage.

Very wide freq range, from 5 kHz to ...? Mechanical attenuator & gears, wow!?

Well calibrated in level & frequency, I assume (or "calibrate-able"), I haven't done that yet.

Surely did cost an arm & leg in its day.

Mine came for free from basement shack of an SK ham--I like to think I'm keeping just a bit of his radio spirit alive by having & using it.? If only this s.g. could talk!

Only downside I know of is weight & size.? Luckily, I have a spot for it my shack.

--John Sehring??VE6/WB0EQ??nr. Calgary, Alberta, Canada

=====

Subject: [BoatAnchors] General Radio 1001-A Signal Generator

Message-ID: <98FAF1C8DC63497FA34026AADD3CC4A3 at cyrus>

Content-Type: text/plain;??? charset="us-ascii"

Anyone interested in a fine old GR signal generator?

Comes with manual and adaptors, including BNC.

Bought it from Don Merz in 1993.

Bill Hawkins

From esieb at sympatico.ca Sun Jan 15 12:43:23 2012

From: esieb at sympatico.ca (Ed Sieb)

Date: Sun, 15 Jan 2012 12:43:23 -0500

Subject: [BoatAnchors] General Radio 1001-A signal gen.  
In-Reply-To: <1326648811.72033.YahooMailNeo@web45603.mail.sp1.yahoo.com>  
Message-ID: <BLU0-SMTP47FD2DE9DC4A654A5A0BB4C9820@phx.gbl>

I have had several of these fine generators. Loved 'em! Eventually, they were replaced by a URM25/D, and today I use a modern Marconi digital generator (which has rendered my URM25/D as spare).

Ed, VA3ES

-----  
John Sehring wrote:

The General Radio 1001-A signal generator is a beauty!?

From arc5 at ix.netcom.com Sun Jan 15 15:05:23 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Sun, 15 Jan 2012 14:05:23 -0600  
Subject: [BoatAnchors] [Boatanchors] Speaker repair  
In-Reply-To: <4F132DA7.7030709@gmail.com>  
References:  
<000901ccd3a2\$2fd458f0\$8f7d0ad0\$@pitel.net><4F130275.3040601@comcast.net><F74E08AC71404BE5AF5C094D709D5E8D@c1408123a><1326652616.63438.YahooMailNeo@web121702.mail.ne1.yahoo.com><4F132A4C.20700@bellsouth.net>  
<4F132DA7.7030709@gmail.com>  
Message-ID: <30B8038A53F54589AC75E3F57E8BB471@DaddyPC>

Speaking of repairing speakers:  
What's the "right" way to install a replacement foam surround on a 10-inch speaker? I've tried twice on one and I end up making the voice coil rub somewhere during the throw.  
I finally just let the cone "float," supported by the (third) new foam surround. Anyone?

73 Dave S.

From gumbear at pacbell.net Sun Jan 15 17:38:54 2012  
From: gumbear at pacbell.net (Arden Allen)  
Date: Sun, 15 Jan 2012 14:38:54 -0800  
Subject: [BoatAnchors] [Boatanchors] Speaker repair  
References:

<000901ccd3a2\$2fd458f0\$8f7d0ad0\$@pitel.net><4F130275.3040601@comcast.net><F74E08AC71404BE5AF5C094D709D5E8D@c1408123a><1326652616.63438.YahooMailNeo@web121702.mail.ne1.yahoo.com><4F132A4C.20700@bellsouth.net><4F132DA7.7030709@gmail.com>

<30B8038A53F54589AC75E3F57E8BB471@DaddyPC>

Message-ID: <000e01ccd3d6\$7dfbfc70\$f99d480c@KB6NAX>

I believe you first shim the voice coil to center it but if it doesn't take the shims evenly then the spider is out of place or warped and will need regluing or replacement.. Once the voice coil and spider are centered the cone should be centered in the basket. A little offset is tolerable but don't try to center the cone or the voice coil will be thrown off. Speaker rebuilders are loath to repair speakers because putting in all new parts is much faster.

Arden  
KB6NAX

Speaking of repairing speakers:  
What's the "right" way to install a replacement foam surround on a 10-inch speaker? I've tried twice on one and I end up making the voice coil rub somewhere during the throw.  
I finally just let the cone "float," supported by the (third) new foam surround. Anyone?

73 Dave S.

-----  
BoatAnchors mailing list  
BoatAnchors at theporch.com  
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From wb3fau at att.net Mon Jan 16 18:48:58 2012  
From: wb3fau at att.net (wb3fau at att.net)  
Date: Mon, 16 Jan 2012 15:48:58 -0800 (PST)  
Subject: [BoatAnchors] Viking 2 mod tran.  
Message-ID: <1326757738.50416.YahooMailClassic@web180214.mail.gq1.yahoo.com>

thanks for all the inputs guys, i got a handle on it...

From kd5byb at kd5byb.net Mon Jan 16 19:06:27 2012  
From: kd5byb at kd5byb.net (Ben Hall)  
Date: Mon, 16 Jan 2012 18:06:27 -0600

Subject: [BoatAnchors] BC-224, Re: BC-348 versus BC-312 / BC-342  
In-Reply-To: <4F12CDE3.2090509@aafradio.org>  
References: <4F11A935.70400@kd5byb.net><84DB5849-1334-458A-BCD1-  
EC73ED6D1E59@aol.com><4F1254FE.3060204@roadrunner.com>  
<F7EDD46F-B8A5-45B5-93BD-08B40610FCEC@aol.com>  
<4F12CDE3.2090509@aafradio.org>  
Message-ID: <4F14BB83.8040704@kd5byb.net>

Good evening all,

Thanks for all of the responses on the 224, 312, 342, and 348. Very enlightening and informative.

thanks again and 73,  
ben, kd5byb

From wb0eq at yahoo.com Mon Jan 16 21:41:31 2012  
From: wb0eq at yahoo.com (John Sehring)  
Date: Mon, 16 Jan 2012 18:41:31 -0800 (PST)  
Subject: [BoatAnchors] Speaker rapair  
Message-ID: <1326768091.75479.YahooMailClassic@web45603.mail.sp1.yahoo.com>

This is the first time I think I've disagreed with the Right Honorable Member Arden Allen!!! And I'm loathe to do it! But...

I've been a ardent, serious, semi-professional audio enthusiast forever (certainly since I was a teenager). I do NOT regard myself as a golden- donkey-eared, audiophool! But my ears are "well trained" by constant experience; I believe I know what I hear (and also what I don't!).

Really high quality (doesn't necessary mean expensive) loudspeaker driver design and manufacturer remain part art and part science/engineering.

Many of the details of them are closely guarded secrets. Some of the very best drivers continue to be made in Canada and the US. And, those drivers appear in both the highest and lowest end of product lines. By "low" I'm talking inexpensive but outstanding performance = high value.

The details run right down to some of the smallest & sometimes seemingly insignificant items and designs.

Interestingly, these manufacturers have not gone offshore (China) because they cannot get exactly what they want! So they continue to do these things in house, in N.A. I think that's great!

But I digress.

What we're talking about repairing here are undoubtedly woofers and sub-woofers, i.e. with large size cones, say, 6 to 18" dia.

I have long (decades) worked with computer simulation of low-frequency drivers, written about them in the popular hifi press, and even written & sold software for predicting their performance.

So I am intimately familiar with the work of both Thiele and Small which was a watershed event for loudspeaker design. They were the first to truly & comprehensively systemize loudspeaker performance & design.

It's clear to me that loudspeaker performance is intimately dependent on a number of factors. In particular those driver factors that could easily be perhaps unintentionally altered by loudspeaker rebuilding.

Those would be (but not limited to) the compliance & lossiness of the cone's surround and the moving mass & lossiness of the cone. These drive directly some of the most important Thiele-Small parameters of  $Q_{es}$ ,  $Q_{ms}$  and  $Q_{ts}$ , as well as the resonant frequency of the driver. Also a factor is the maximum linear excursion capability of the driver, so important for low frequency reproduction in quantity (and quality) which is dependent on the surround (& other items as well).

I can't see how replacing the cone and/or surround CANNOT lead to potentially large changes in driver performance. The "system" consists of course of the combo of driver and cabinet volume (sticking to sealed box types). There are also different surround materials, e.g. foam or flexible rubber, which are not at all equivalent, each having strengths and weaknesses.

Any changes will affect driver performance. In the case of a "properly" designed system, invariably a degradation in performance will result due to departure from optimum driver parameters.

Furthermore, cones and surrounds are subject to absolutely monstrous dynamic accelerations and forces in all directions. Therefore rather elaborate and exotic materials and processes are used in manufacture, not likely to be equaled by a rebuild.

Now when all is said & done, the "engineering" question is (as always), will these difference be audible or not, that is the question.

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

=====  
I believe you first shim the voice coil to center it but if it doesn't take the shims evenly then the spider is out of place or warped and will need regluing or replacement.. Once the voice coil and spider are centered the cone should be centered in the basket. A little offset is tolerable but don't try to center the cone or the voice coil will be thrown off. Speaker

rebuilders are loath to repair speakers because putting in all new parts is much faster.

Arden  
KB6NAX

From wb0eq at yahoo.com Tue Jan 17 12:20:56 2012  
From: wb0eq at yahoo.com (John Sehring)  
Date: Tue, 17 Jan 2012 09:20:56 -0800 (PST)  
Subject: [BoatAnchors] Fw: Speaker rapair  
In-Reply-To: <4F15242D.2010805@earthlink.net>  
References: <1326768091.75479.YahooMailClassic@web45603.mail.sp1.yahoo.com>  
<4F15242D.2010805@earthlink.net>  
Message-ID: <1326820856.33249.YahooMailNeo@web45609.mail.sp1.yahoo.com>

Scott,

I agree with you whole-heartedly.? You are right, in a sealed box, the air provides most of the system's compliance ( = "air suspension"!).

Foam was often chosen for expensive woofer drivers primarily because it forms an excellent physical/acoustic boundary with the cone material.? Specifically, it is best at damping acoustic energy where the cone that meets the foam surround (for us RF guys, good damping & mechanical impedance match).

However, the stuff rots like crazy!?! I know, I've had some high quality drivers that got infected.? Luckily I was able to get exact replacement from mfr.? The mfr.? freely acknowledged that this would happen & so replacement drivers were offered quite inexpensively relative to cost of new loudspeaker system.

Life of foam surrounds seems to be about 5 yrs, probably depends on amount of UV light energy that reaches 'em.? At the local "recycle barn" I see many such rotted-out woofers.

Please take a look here for an excellent take at fixing the Snell woofers:

<http://www.classicspeakerpages.net/IP.Board/index.php?s=473f3b68df9c6cd54ecf9c1c4dca6ac0&showtopic=4762&pid=75936&st=0&#entry75936>

If you have trouble with this link see 2nd note at page:?

<http://www.snell.no/forum/index.php?topic=1309.0>

What you might do is to measure the resonant frequency of the other (good) woofer both out & in the box to get a baseline.? Easily done with AF generator, AC

voltmeter & one resistor.? Repeat out of box only on other driver before repair-- this will be a rough number only as some of the foam is gone.

The only caveat I can think of is to watch for a change in the Q of the system to a lower value due to extra mass loading (the epoxy).? This will give more cone excursion all other things being equal & more likely to run out of Xmax.? IMO, it is not the preferred method of getting a low enuf resonant frequency for sealed box use.? I speak from experience (blown out subwoofer!).

BTW, the Thiele-Small system parameters vary a surprising amount even on new drivers.

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

----- Forwarded Message -----

> From: Scott Robinson <spr at earthlink.net>

> To: John Sehring <wb0eq at yahoo.com>

> Cc:

> Sent: Tuesday, January 17, 2012 12:33:01 AM

> Subject: Re: [BoatAnchors] Speaker rapair

>

> Hi John,

>

> I agree with you in general.? However, if the speaker being repaired is  
> a 12 inch one from a console radio, I doubt you'll make it audibly  
> worse, so long as nothing scrapes or rattles. If it's from a designed  
> speaker-in-box, you may be right.

>

> I have a very high quality repair problem at the moment. My right  
> channel Snell A seires III woofer suffers from disintegrating foam  
> syndrome.? Its cone has been mass loaded with a good deal (a couple of  
> ounces?) of epoxy poured in to its apex, and that's the factory design.  
> I ma having a lot of trouble raising the heirs to the factory and so may  
> be forced to find a local foam replacement guy to do this for me; it  
> will be preferable to the present situation. Since this is an acoustic  
> suspension design with most of the compliance due to the air in the box,  
> teh exact compliance of the outer cone foam is less important. It's  
> permitted travel is, as I don't want to reduce the Xmax of the woofer.

>

> The Snells are very accurate, fine loudspeakers, and the woofer is really  
> good, too. I'd like to keep it as good as I can. The right channel was  
> done a few years ago when Snell still existed in Haverhill, MA.

>

> Peace,

>

> Scott

>  
> On 1/16/12 6:41 PM, John Sehring wrote:  
>> This is the first time I think I've disagreed with the Right Honorable  
> Member Arden Allen!!!!? And I'm loathe to do it!? But...  
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>> I've been a ardent, serious, semi-professional audio enthusiast forever  
> (certainly since I was a teenager).? I do NOT regard myself as a golden-  
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>> The details run right down to some of the smallest&? sometimes  
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> truly&? comprehensively systemize loudspeaker performance&? design.  
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>> Those would be (but not limited to) the compliance&? lossiness of the  
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> will result due to departure from optimum driver parameters.

>>

>> Furthermore, cones and surrounds are subject to absolutely monstrous

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> and exotic materials and processes are used in manufacture, not likely to be

> equaled by a rebuild.

>>

>> Now when all is said&? done, the "engineering" question is

> (as always), will these difference be audible or not, that is the question.

>>

>> --John Sehring? VE6/WB0EQ? nr. Calgary, Alberta, Canada

>>

>> =====

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> take

>> the shims evenly then the spider is out of place or warped and will need

>> regluing or replacement..? Once the voice coil and spider are centered the

>> cone should be centered in the basket.? A little offset is tolerable but

>> don't try to center the cone or the voice coil will be thrown off.?

> Speaker

>> rebuilders are loath to repair speakers because putting in all new parts is

>> much faster.

>>

>> Arden

>> KB6NAX

>>

>> -----

>> BoatAnchors mailing list

>> BoatAnchors at theporch.com

>> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>>

>

From wb0eq at yahoo.com Tue Jan 17 16:27:31 2012

From: wb0eq at yahoo.com (John Sehring)

Date: Tue, 17 Jan 2012 13:27:31 -0800 (PST)

Subject: [BoatAnchors] Fw: Speaker repair

Message-ID: <1326835651.4782.YahooMailNeo@web45612.mail.sp1.yahoo.com>

I just realize how off-topic all this loudspeaker stuff is.? Well, I apologize but my first instinct is always to try & help anyone on the list! So I hope for absolution here.

I've been away from loudspeaker system design for a bit of time now, but ideas are slowly coming back.

Couple of things for Scott...Find out exactly how much time is needed for the adhesive(s) used for surround repair to come to its full strength & DON'T energize the driver til then!? I'm thinking you'd want to a foam replacement otherwise big chance of quite altered performance.

After that time, a breakin may be quite useful esp with a new surround.? Measure the driver's  $F_{res}$  first.? Then, I like to run the driver (out of the box) at its  $F_{res}$  fairly close to full excursion (but don't exceed that!) for a few hours.? Watch voice coil temperature!? That'll take an AF generator & power amp to do.?  $F_{res}$  afterward, compare, should have dropped a few Hz.

After breakin I've sometimes noticed marked changes in  $F_{res}$  & other Thiele-Small parameters.

Most surprising--a decades-old 12" acoustic suspension woofer showed big shift too after breakin.? Obviously it's operating environment during its long life was nowhere near accomplishing? breakin.? Two pair still in use here in isobarik configuration in original sealed-box enclosures in my 2nd subwoofer system.? They play astonishing well for \$5 speakers, from recycle barn.

Do you know at what freq this woofer is rolled off -3 dB?? If it's low enuf, it may matter less how it "sounds".? Our ears become less perceptive of pitch & harmonic content as frequency goes down; below about 20 Hz, our perception turns to "feel" more than "hear".? That's why with subwoofers (cutoff, say, 80-100 Hz) you can get away with "murder", i.e. locate them in odd places & still do fine.

This may not be of interest to strictly RF guys: My primary subwoofer setup is a pair of Audio Exodus Shiva X 12" in sealed boxes, driven in stereo, assymmetrically placed in room, driven by a pair of 1/2-kW analog power-MOSFET subwoofer amps (powered from 240 VAC) electrically flat down to 7 Hz.? Signals are pre-processed by one of Sigfried Linkwitz's famous Transform circuits, some custom-built (by me) parametric equalizers (to tame first few room resonances (acoustic standing waves--think antenna resonance & SWR)), and a custom (built by me) frequency-dependent inter-channel all-pass phase-shifting circuit (cancels effects of one or two standing wave modes acoustically).? Overall system response flat to 19 Hz (-3 dB there) at low distortion.? All done in analog.

Awsome is a very overused word, but...! It'll flap your clothing and you can sometimes fell the acoustic over-pressure.? Sadly, I cracked a large double-pane window in my listening room!?(??? Also, ceramic objets d'art vibrated off a shelf & smacked to floor!? Oy veh!? This system can do seismic-like excitation & damage of my house's structure, 2x6" stick construction on concrete slab, ceramic tile on floors throughout.? So I do have to watch the throttle on this baby.

And by the way, this stuff was done on the cheap, lots of homebrew & used equipment, and no snake oil here.? I'm proud of how little it cost, not how much.

--John Sehring? VE6/WB0EQ? nr. Calgary, Alberta, Canada

From sparks at codepoets.com Tue Jan 17 16:50:31 2012  
From: sparks at codepoets.com (Thomas Chirhart)  
Date: Tue, 17 Jan 2012 16:50:31 -0500  
Subject: [BoatAnchors] SP-600 parts wanted  
Message-ID: <0979806C-CB66-4409-9930-C0782CCE52CE@codepoets.com>

Anyone on the list have any tube clamps for the 600? Also looking for a top and bottom cover. Anyone know of someone making repro covers?

Thanks 73 Tom

Sent from my iPhone

From gumbear at pacbell.net Tue Jan 17 17:00:27 2012  
From: gumbear at pacbell.net (Arden Allen)  
Date: Tue, 17 Jan 2012 14:00:27 -0800  
Subject: [BoatAnchors] Fw: Speaker repair  
References: <1326835651.4782.YahooMailNeo@web45612.mail.sp1.yahoo.com>  
Message-ID: <000b01ccd563\$71023370\$0c9e480c@KB6NAX>

> Awsome is a very overused word, but...! It'll flap your clothing and you can sometimes fell the acoustic over-pressure. Sadly, I cracked a large double-pane window in my listening room! :( Also, ceramic objets d'art vibrated off a shelf & smacked to floor! Oy veh! This system can do seismic-like excitation & damage of my house's structure, 2x6" stick construction on concrete slab, ceramic tile on floors throughout. So I do have to watch the throttle on this baby.

As long as we're OT, I'll have to say that the whole subwoofer mania is just that, mania. There's nothing acoustically, artistically, or esthetically redeeming about having a speaker system that rolls off below 30-40 Hz. I don't think Thiele-Small small parameters are employed in the design of brick walls but if you need to have your grey cells abused a brick wall will do wonders for you.

Arden Allen  
KB6NAX

From anchor at ec.rr.com Tue Jan 17 17:20:04 2012  
From: anchor at ec.rr.com (Al Parker)  
Date: Tue, 17 Jan 2012 17:20:04 -0500  
Subject: [BoatAnchors] SP-600 parts wanted  
In-Reply-To: <0979806C-CB66-4409-9930-C0782CCE52CE@codepoets.com>  
References: <0979806C-CB66-4409-9930-C0782CCE52CE@codepoets.com>  
Message-ID: <4F15F414.1000402@ec.rr.com>

Hi Tom, et al,

Hank Arney made up some nice covers for the SP-600 a few yrs ago, I don't know if he still has any for sale. I think I still have a set, would part with them for a little less than he charged.

Tube clamps - I dunno where to look for them, they're not unique, some mil. eqpt used the same type, but they're hard to find, and easy to lose I guess.

73,

Al, W8UT  
[www.boatanchors.org](http://www.boatanchors.org)  
[www.hammarlund.info](http://www.hammarlund.info)

"There is nothing -- absolutely nothing -- half so much worth doing as simply messing about in boats"  
Ratty, to Mole

On 1/17/2012 4:50 PM, Thomas Chirhart wrote:

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> Thanks 73 Tom

>

> Sent from my iPhone

>

> -----  
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

From w3kc at verizon.net Tue Jan 17 18:03:04 2012  
From: w3kc at verizon.net (ChasW3KC)  
Date: Tue, 17 Jan 2012 18:03:04 -0500  
Subject: [BoatAnchors] Fw: Speaker repair  
References: <1326835651.4782.YahooMailNeo@web45612.mail.sp1.yahoo.com>

<000b01ccd563\$71023370\$0c9e480c@KB6NAX>

Message-ID: <64AFA5EBBB924AF796647137A7B5FF7E@chasmain>

Very low frequency response is nice (think 24" Hartley woofers) if you are into pipe organ music (Bach's "Tocatta and Fugue in D-Minor for example) or Victor Wooten's bass (Bela Fleck and the Flecktones), but not really important for a ham radio receiver. I like the old Hammarlund speakers with stiff paper cones personally. They have no foam surrounds to decay and they are fairly easy (cheap) to recone.

73 Chas W3KC

From brianclarke01 at optusnet.com.au Wed Jan 18 06:15:39 2012

From: brianclarke01 at optusnet.com.au (Brian Clarke)

Date: Wed, 18 Jan 2012 22:15:39 +1100

Subject: [BoatAnchors] Speaker repair

References:

<1326768091.75479.YahooMailClassic@web45603.mail.sp1.yahoo.com><4F15242D.2010805@earthlink.net>

<1326820856.33249.YahooMailNeo@web45609.mail.sp1.yahoo.com>

Message-ID: <D3B81EC4342649A8B7FEE7D24B7F05D9@WORKSHOP>

Hello folks,

The foam rubber surrounds do seem to rot out in sunlight, but the newer silicone ones seem to last a bit longer. I used to replace the foam surround of cone speakers, but now I can't seem to find anyone who supplies the bare surrounds - in rubber or silicone - in the sizes I want.

Can you help? I have a spare pair of 12" foam surrounds I can trade.

73 de Brian, VK2GCE.

On Wednesday, January 18, 2012 4:20 AM, John Sehring said:

> Scott,

>

> I agree with you whole-heartedly. You are right, in a sealed box, the air provides most of the system's compliance ( = "air suspension"!).

>

> Foam was often chosen for expensive woofer drivers primarily because it forms an excellent physical/acoustic boundary with the cone material.

> Specifically, it is best at damping acoustic energy where the cone that meets the foam surround (for us RF guys, good damping & mechanical impedance match).

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> However, the stuff rots like crazy! I know, I've had some high quality  
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> Please take a look here for an excellent take at fixing the Snell woofers:  
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> [http://www.classicspeakerpages.net/IP.Board/index.php?  
s=473f3b68df9c6cd54ecf9c1c4dca6ac0&showtopic=4762&pid=75936&  
> st=0&#entry75936](http://www.classicspeakerpages.net/IP.Board/index.php?s=473f3b68df9c6cd54ecf9c1c4dca6ac0&showtopic=4762&pid=75936&st=0&#entry75936)  
>  
>  
> If you have trouble with this link see 2nd note at page:  
>  
> <http://www.snell.no/forum/index.php?topic=1309.0>  
>  
> <snip>>  
>  
> --John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

From arc5 at ix.netcom.com Wed Jan 18 06:48:30 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Wed, 18 Jan 2012 05:48:30 -0600  
Subject: [BoatAnchors] Fw: Speaker repair  
In-Reply-To: <000b01ccd563\$71023370\$0c9e480c@KB6NAX>  
References: <1326835651.4782.YahooMailNeo@web45612.mail.sp1.yahoo.com>  
<000b01ccd563\$71023370\$0c9e480c@KB6NAX>  
Message-ID: <F8FFFEF22BE3142AEB5A880222F636BCF@DaddyPC>

Aw, people are too paranoid about "off topic."  
Boatanchors use speakers. Speakers break and need repair.  
Lighten up, guys. This is all good.  
This thread about speakers has given me some  
valueable info and thanks to everyone who has contributed.

73 Dave AB5S

From pulsarxp at embarqmail.com Wed Jan 18 22:41:37 2012

From: pulsarxp at embarqmail.com (L L bahr)  
Date: Wed, 18 Jan 2012 22:41:37 -0500 (EST)  
Subject: [BoatAnchors] High Voltage Hook up Wire  
In-Reply-To:  
<882131140.109558.1326592257000.JavaMail.root@md35.embarq.synacor.com>  
Message-ID:  
<1211401754.183266.1326944497894.JavaMail.root@md35.embarq.synacor.com>

Maybe someone on here has a few ideas to solve my problem.

I am re-kitting a really rough Heathkit DX-100. Presently, I have it all torn down to parts and am having the chassis re-plated. Then I plan to rebuild it like a new kit with new resistors, caps, hardware etc. (I have almost all the new parts I need ready to be used). I also have to make up a new wiring harness as the old one is now cut out short plus the plastic has hardened over the years from age and heat. My plans called for making the harness up with colored Teflon wire I have in the shack.

However, that said, I have a BIG problem with a couple of the wires within the wiring harness. There are a few RED and one YELLOW wires carrying high voltage. With modulation the voltage could reach almost 1500 volts on peak (750 volts static). Heathkit used the same gauge wire on these lines but the insulation is much thicker on them. I'm guessing the wire gauge on all the wires is around a number 18 or 20 gauge wire. I'd guess the insulation on the existing higher voltage wires brings the outside wire diameter with insulation to around 1/8th inch.

Here is the question, where can I obtain some RED and some Yellow 18 or 20 gauge wire with insulation good for 1500 volts I can buy in small quantities? I'm guessing I need around 12 foot of Red and maybe 3 foot of Yellow. I'd have to really check to see if my lengths are correct, but as you can see, I need very little wire. If this doesn't work, where could I buy the needed wire in any other color including clear?

I thought of the center conductor of RG-58A/U coax cable but when I looked up the Beldon spec I was shocked to see it is only rated at around 300 volts. I got the idea knowing Drake used the center conductor of RG-8U for their high voltage leads in the L4 and L-7 amps. (RG-8/U center conductor would just be too large in diameter for my needs.

Anyone on here with ideas I could use for my project? (I know it would be cheaper to buy another transmitter in better shape, but that is not the direction or path I am taking.)

Thanks,

Lee Bahr, w0vt

Kingwood, Texas

From WA5CAB at cs.com Wed Jan 18 23:09:09 2012  
From: WA5CAB at cs.com (WA5CAB at cs.com)  
Date: Wed, 18 Jan 2012 23:09:09 -0500 (EST)  
Subject: [BoatAnchors] High Voltage Hook up Wire  
Message-ID: <20424.2504dcaa.3c48f165@cs.com>

Lee,

One possibility is test lead wire. The only colors I've ever had it in are red and black but it may be available in others. Typically I think in 18 AWG. I've never looked up the voltage rating but as it's commonly used on multimeters with 1KV ranges, probably 2KV or above. Stranding is the finer more flexible one but I don't suppose that would hurt anything. And surface finish is, at least on the better stuff, matte instead of gloss. And again, I don't see that as a problem. OD is around 1/8".

In a message dated 01/18/2012 21:42:09 PM Central Standard Time, pulsarxp at embarqmail.com writes:

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> the wiring harness. There are a few RED and one YELLOW wires carrying  
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> peak (750 volts static). Heathkit used the same gauge wire on these lines  
> but the insulation is much thicker on them. I'm guessing the wire gauge on  
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> needed wire in any other color including clear?

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> I thought of the center conductor of RG-58A/U coax cable but when I looked  
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> volts. I got the idea knowing Drake used the center conductor of RG-8U for  
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> Anyone on here with ideas I could use for my project? (I know it would be  
> cheaper to buy another transmitter in better shape, but that is not the  
> direction or path I am taking.)  
>  
> Thanks,  
>  
> Lee Bahr, w0vt  
> Kingwood, Texas

Robert Downs - Houston  
wa5cab dot com (Web Store)  
MVPA 9480

From bill at iaxs.net Wed Jan 18 23:28:34 2012  
From: bill at iaxs.net (Bill Hawkins)  
Date: Wed, 18 Jan 2012 22:28:34 -0600  
Subject: [BoatAnchors] High Voltage Hook up Wire  
In-Reply-To:  
<1211401754.183266.1326944497894.JavaMail.root@md35.embarq.synacor.com>  
References: <882131140.109558.1326592257000.JavaMail.root@md35.embarq.synacor.com>  
<1211401754.183266.1326944497894.JavaMail.root@md35.embarq.synacor.com>  
Message-ID: <53B15DE6C5EB4B8EB751BAFA9BA14CBC@cyrus>

You might try test leads for old meters that had 1500 volt ranges.  
New meters are good for 300 volts now that there are no tubes out there.

Don't use sparkplug wire unless you can find some with real wire cores,  
instead of resistive carbon for electrical noise reduction.

Bill Hawkins

From k9fd at flex.com Wed Jan 18 23:48:46 2012  
From: k9fd at flex.com (Merv Schweigert)  
Date: Wed, 18 Jan 2012 18:48:46 -1000  
Subject: [BoatAnchors] High Voltage Hook up Wire  
In-Reply-To:  
<1211401754.183266.1326944497894.JavaMail.root@md35.embarq.synacor.com>  
References:  
<1211401754.183266.1326944497894.JavaMail.root@md35.embarq.synacor.com>  
Message-ID: <4F17A0AE.7060508@flex.com>

The voltage rating on your teflon wire should exceed what you need, I had some teflon that I tested in a HV power supply with 8 KV on it and no arcs when it was used against the chassis.

Merv K9FD/KH6

> Maybe someone on here has a few ideas to solve my problem.

>

> I am re-kitting a really rough Heathkit DX-100. Presently, I have it all torn down to parts and am having the chassis re-plated. Then I plan to rebuild it like a new kit with new resistors, caps, hardware etc. (I have almost all the new parts I need ready to be used). I also have to make up a new wiring harness as the old one is now cut out short plus the plastic has hardened over the years from age and heat. My plans called for making the harness up with colored Teflon wire I have in the shack.

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> Anyone on here with ideas I could use for my project? (I know it would be cheaper to buy another transmitter in better shape, but that is not the direction or path I am taking.)

>

> Thanks,

>

> Lee Bahr, w0vt

> Kingwood, Texas

>

> -----  
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>  
>  
>

From gumbear at pacbell.net Wed Jan 18 23:59:56 2012  
From: gumbear at pacbell.net (Arden Allen)  
Date: Wed, 18 Jan 2012 20:59:56 -0800  
Subject: [BoatAnchors] High Voltage Hook up Wire  
References:  
<1211401754.183266.1326944497894.JavaMail.root@md35.embarq.synacor.com>  
<4F17A0AE.7060508@flex.com>  
Message-ID: <000b01cccd667\$34aed3b0\$7f9e480c@KB6NAX>

Actually, Merv, you don't have as big a problem as you may think. UL1015 wire is what will do fine at 1500 volts. It is very common in consumer goods from the 50's. I think that is what you are describing for the red and yellow wires in the DX-100 harness. Regarding RG-58 with the shield removed, that's even better. The 300 volt rating is from the shield through the outer jacket to the outside surface, not to the inner conductor. Have a blast!

Arden Allen  
KB6NAX

> However, that said, I have a BIG problem with a couple of the wires within the wiring harness. There are a few RED and one YELLOW wires carrying high voltage. With modulation the voltage could reach almost 1500 volts on peak (750 volts static).

From k4pf at junos.com Thu Jan 19 00:04:56 2012  
From: k4pf at junos.com (k4pf at junos.com)  
Date: Thu, 19 Jan 2012 05:04:56 GMT  
Subject: [BoatAnchors] Fw: Re: High Voltage Hook up Wire  
Message-ID: <20120119.000456.13064.0@webmail09.vgs.unttd.com>

> L L bahr <pulsarxp at embarqmail.com> wrote  
<snip>

>I thought of the center conductor of RG-58A/U coax cable but when I looked up the Belden spec I was shocked to see it is only rated at around 300 volts. I got the idea knowing Drake used the center conductor of RG-8U for their high voltage leads in the L4 and L-7 amps. (RG-8/U center conductor would just be too large in diameter for my needs.

Hi,

If you use RG-58C/U labeled mil spec, it is rated at 1900V RMS.  
RG-142B/U has the same diameter insulation as the 58C/U,  
but in Teflon, at the same voltage rating. Scrap lengths of RG-142B/U  
appear on eBay frequently.

There's a lot of garbage cable out there labeled RG-58 "type",  
which is a meaningless description. I would go with the RG-144  
so you know you are getting good coax. A bonus is you get nice  
silver-plated shield wire. It will be hard to remove the outer insulation - it is  
slippery. If you have the room,  
it would be easier to include the intact RG-142B/U in your  
wiring harness, same outside diam. as RG-58C/U.

73

Ed Knobloch

From spr at earthlink.net Thu Jan 19 01:01:05 2012  
From: spr at earthlink.net (Scott Robinson)  
Date: Wed, 18 Jan 2012 22:01:05 -0800  
Subject: [BoatAnchors] High Voltage Hook up Wire  
In-Reply-To:  
<1211401754.183266.1326944497894.JavaMail.root@md35.embarq.synacor.com>  
References:  
<1211401754.183266.1326944497894.JavaMail.root@md35.embarq.synacor.com>  
Message-ID: <4F17B1A1.9070502@earthlink.net>

Hi Lee,

Test lead wire, commonly available unfortunately only in red and black,  
is rated for 5 kV and is 18 gauge.

Also, an eBay search for "3kV wire" got 172 results, many of which are  
silicone insulation. 4M (about 12 foot) lengths are on offer for 8 bucks.

Good luck, and enjoy it!

Regards,

Scott

On 1/18/12 7:41 PM, L L bahr wrote:

>

> Maybe someone on here has a few ideas to solve my problem.  
>  
> I am re-kitting a really rough Heathkit DX-100. Presently, I have it all torn down to parts and am having the chassis re-plated. Then I plan to rebuild it like a new kit with new resistors, caps, hardware etc. (I have almost all the new parts I need ready to be used). I also have to make up a new wiring harness as the old one is now cut out short plus the plastic has hardened over the years from age and heat. My plans called for making the harness up with colored Teflon wire I have in the shack.  
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> Lee Bahr, w0vt  
> Kingwood, Texas  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>  
>

From spr at earthlink.net Thu Jan 19 01:03:54 2012

From: spr at earthlink.net (Scott Robinson)  
Date: Wed, 18 Jan 2012 22:03:54 -0800  
Subject: [BoatAnchors] High Voltage Hook up Wire  
In-Reply-To: <4F17A0AE.7060508@flex.com>  
References:  
<1211401754.183266.1326944497894.JavaMail.root@md35.embarq.synacor.com>  
<4F17A0AE.7060508@flex.com>  
Message-ID: <4F17B24A.5090406@earthlink.net>

Hi Merv,

Well, I don't question your test results but will point out that the usual Teflon insulated hookup wire is 300 V rated. So is most of the hookup wire you find now.

I got curious and looked in a mid-fifties Master or Allied catalog. The hookup wire was all 1kV rated. Maybe I wasn't just being paranoid...

Peace,

Scott

On 1/18/12 8:48 PM, Merv Schweigert wrote:

> The voltage rating on your teflon wire should exceed what you need,  
> I had some teflon that I tested in a HV power supply with 8 KV on it  
> and no arcs when it was used against the chassis.  
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>> BoatAnchors mailing list  
>> BoatAnchors at theporch.com  
>> <https://minime.theporch.com/mailman/listinfo/boatanchors>  
>>  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>  
>

From wwatson5 at sbcglobal.net Thu Jan 19 03:41:48 2012  
From: wwatson5 at sbcglobal.net (William Watson)  
Date: Thu, 19 Jan 2012 00:41:48 -0800 (PST)  
Subject: [BoatAnchors] Heyz  
Message-ID: <1326962508.13827.yint-ygo-j2me@web81408.mail.mud.yahoo.com>

My gift to you <http://www.zasadesign.com/business.html>

From bill at iaxs.net Thu Jan 19 13:36:02 2012

From: bill at iaxs.net (Bill Hawkins)  
Date: Thu, 19 Jan 2012 12:36:02 -0600  
Subject: [BoatAnchors] GR 1001-A signal generator retry with details  
In-Reply-To: <1326648811.72033.YahooMailNeo@web45603.mail.sp1.yahoo.com>  
References: <1326648811.72033.YahooMailNeo@web45603.mail.sp1.yahoo.com>  
Message-ID: <1B55D2685DFB431AA53485AD2E31A0CE@cyrus>

Not many replies to the sketchy note I sent last week. Maybe if I added some details I could send this classy GR instrument to a new home.

So I took it out, monitored the B+, and brought it up on a Variac. No problems and no smoke, all functions working. Put it back in the box and tested the dial extremes, all ranges are within the +/- 1% spec. The 15 to 50 MHz range has trouble at the low end, but is usable above 17 MHz. No other ranges fall off like that. 18 MHz (a dial mark) reads 17.9 MHz on the counter, and 50 MHz reads 49.5.

Not sure the Racal-Dana 1992 counter is rated for 50 MHz, but there are six zeroes after the leading 1 for 10 MHz from an HP Z3801 GPS receiver.

Burned it in for 2 hours, mostly within the 0.25% drift spec. It comes with a manual with schematic and alignment instructions. The alignment tool is still clipped inside the case. I don't have an RF voltmeter, so I can't comment on output voltage accuracy.

FWIW, power consumption at 115 VAC line is the rated 65 watts.

There are no obvious scratches on the case or front panel, but there is light corrosion of the nickel plating. It should have its face washed, but I'd rather the new owner did that. It looks and smells brand new inside the case.

I'm asking \$120 for it, but I'm influenced by a good story about why you want it. Money isn't everything.

The generator itself is 21 wide, 14 high, 11 inches deep, and weighs 54 pounds. I'd be shipping from zip 55438 in Bloomington, Minnesota.

Bill Hawkins  
952-835-6840

Former owner of an R389, 90, 90-A, 91 and 92. Still have some manuals.

From kd5byb at kd5byb.net Thu Jan 19 20:49:18 2012  
From: kd5byb at kd5byb.net (Ben Hall)



Date: Thu, 19 Jan 2012 19:49:18 -0600

Subject: [BoatAnchors] High Voltage Hook up Wire

In-Reply-To: <4F17B24A.5090406@earthlink.net>

References:

<1211401754.183266.1326944497894.JavaMail.root@md35.embarq.synacor.com>

<4F17A0AE.7060508@flex.com> <4F17B24A.5090406@earthlink.net>

Message-ID: <4F18C81E.6030209@kd5byb.net>

Evening all,

There is quite a bit of high voltage wire on the e-place. Don't see any in yellow, but white and red are plentiful. Mouser has test lead wire going up to something silly like 60kV, but its spendy and a min length of 100 ft.

Interesting side note - many months ago I was working on my PE-77D generator set, which if I remember correctly, was used to power teletype machines of the Boatanchor variety. (BA-tie in) This is a single cylinder Briggs and Stratton model I engine, rated at a dizzy 3/4 horsepower, producing 115 VDC at 250 watts. It doesn't break a sweat at full load, as I use this from time to time to power a 250 watt halogen spotlight. :)

The spark plug wire was shot and I wanted to get the engine running. Remembering that years ago someone here recommended coax as the ideal solution for HV wire, I grabbed a length of RG-213 and proceeded to built myself a totally shielded spark plug wire for it.

Unfortunately, the RG-213 with outer insulation and shield braid was way too big to get into the shroud. So I ended up removing the outer insulation and shield braid, leaving the copper center conductor and the insulation over the center conductor.

Worked just fine - no sparking no arcing. Small engine ignition coils are what, 1 to 2kV?

Just an anecdotal data point...

thanks and 73,  
ben, kd5byb

From spr at earthlink.net Thu Jan 19 20:57:26 2012

From: spr at earthlink.net (spr at earthlink.net)

Date: Thu, 19 Jan 2012 17:57:26 -0800 (GMT-08:00)

Subject: [BoatAnchors] High Voltage Hook up Wire

Message-ID: <14779861.1327024647365.JavaMail.root@mswamui-andean.atl.sa.earthlink.net>

Hi Ben,

Any spark plug with a reasonable air gap (0.020 inch or more) , including your B&S will take perhaps 20 kV to fire. After the gap ionizes the voltage is maybe 100V, but until then...

/scott

-----Original Message-----

>From: Ben Hall <kd5byb at kd5byb.net>

>Sent: Jan 19, 2012 5:49 PM

>To: boatanchors at theporch.com

>Subject: Re: [BoatAnchors] High Voltage Hook up Wire

>

>Evening all,

>

>There is quite a bit of high voltage wire on the e-place. Don't see any  
>in yellow, but white and red are plentiful. Mouser has test lead wire  
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>full load, as I use this from time to time to power a 250 watt halogen  
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>insulation over the center conductor.

>

>Worked just fine - no sparking no arcing. Small engine ignition coils  
>are what, 1 to 2kV?

>

>Just an anecdotal data point...

>

>thanks and 73,

>ben, kd5byb

>-----  
>BoatAnchors mailing list  
>BoatAnchors at theporch.com  
><https://minime.theporch.com/mailman/listinfo/boatanchors>

From kd5byb at kd5byb.net Thu Jan 19 21:20:06 2012  
From: kd5byb at kd5byb.net (kd5byb at kd5byb.net)  
Date: Thu, 19 Jan 2012 19:20:06 -0700  
Subject: [BoatAnchors] High Voltage Hook up Wire  
Message-ID:  
<20120119192006.221753b8912a6762b1021bc254014d1d.bed75cd8ce.wbe@email06.secureserv  
er.net>

Hi Scott,

Wow - didn't know it was that high of a voltage! Pretty amazing...

thanks much,  
ben

----- Original Message -----  
Subject: Re: [BoatAnchors] High Voltage Hook up Wire  
From: spr at earthlink.net  
Date: Thu, January 19, 2012 7:57 pm  
To: boatanchors at theporch.com

Hi Ben,

Any spark plug with a reasonable air gap (0.020 inch or more) ,  
including your B&S will take perhaps 20 kV to fire. After the gap  
ionizes the voltage is maybe 100V, but until then...

/scott

From pulsarxp at embarqmail.com Thu Jan 19 23:33:35 2012  
From: pulsarxp at embarqmail.com (lee)  
Date: Thu, 19 Jan 2012 22:33:35 -0600  
Subject: [BoatAnchors] High Voltage Wires for New Wiring Harness  
Message-ID: <9254280DB214433AA903012C35DF2637@LeePC>

I want to thank everyone who gave me tips on how to solve my High Voltage

wire requirement. You guys gave a lot of great help.

1. Surplus Sales of Nebraska has inexpensive 3 KV wire.
2. Use test probe Wire.
3. Use the center conductor with insulation from small coax.
4. Place 600 volt wire within a clear plastic sleeving for extra insulation.
5. Color the wire to the desired color by installing a colored heat shrink on the wire ends.
6. Look at what is available on E-bay.

Thanks again. I'll be using one or more of these suggestions.

Lee, w0vt

From arc5 at ix.netcom.com Fri Jan 20 07:28:59 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Fri, 20 Jan 2012 06:28:59 -0600  
Subject: [BoatAnchors] High Voltage Wires for New Wiring Harness  
In-Reply-To: <9254280DB214433AA903012C35DF2637@LeePC>  
References: <9254280DB214433AA903012C35DF2637@LeePC>  
Message-ID: <5D6D328E1DFF40F89905473FDE6CF452@DaddyPC>

----- Original Message -----

From: "lee" <pulsarxp at embarqmail.com>

> 1. Surplus Sales of Nebraska has inexpensive 3 KV wire.

They have something "inexpensive??" ; -)

From wb0eq at yahoo.com Fri Jan 20 12:22:47 2012  
From: wb0eq at yahoo.com (John Sehring)  
Date: Fri, 20 Jan 2012 09:22:47 -0800 (PST)  
Subject: [BoatAnchors] Articles  
Message-ID: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>

Hey Gang,

I'm feeling a bit droopy this morn.? :(>

If you've been hanging around the list for a long time (I've been here since about 1996), you know that I love to write!? Hopefully it's been good & useful stuff.

Now--I've had no success in submitting articles to QST.? One rejection letter after another.? Latest one came this morning.

For example, I recently posted a piece here on BA about old and new antenna rotators and checking & rejuvenating the electrolytic caps in their control boxes.?

I got a lot of positive feedback on it from members of this list.? So I thought to let QST have a look at it.? Nada!

Then I submitted a piece to QST about increasing the versatility of MJF's 1025 Antenna Noise Canceller with just a few wiring changes.? Nada.

Another article was about using rebar as ground rods.? They're cheap and having a molded-in screw thread so you can "screw" even long lengths of it easily into the ground with an electric drill. ? Nope!

Do you all know of any other mag. that might take these kinds of articles?? CQ I know about--but they're generally not very technical.

?

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

From gumbear at pacbell.net Fri Jan 20 13:10:38 2012

From: gumbear at pacbell.net (Arden Allen)

Date: Fri, 20 Jan 2012 10:10:38 -0800

Subject: [BoatAnchors] Articles

References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>

Message-ID: <000c01ccd79f\$3e8cd290\$d69d480c@KB6NAX>

John, you may have to consider that you are confronting the "not invented here" syndrome. Entrenched organization thinking is generally hostile to outside influences, no matter how much value it may add to their lives. ARRL is surely one of those outfits. No matter if one of your ideas may start a new technical revolution you are up against history. So just keep drooping, but not too much, we don't someone writing about you :-0

Arden

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From rdillontx1 at verizon.net Fri Jan 20 12:40:50 2012  
From: rdillontx1 at verizon.net (Roger Dillon)  
Date: Fri, 20 Jan 2012 11:40:50 -0600  
Subject: [BoatAnchors] Articles  
In-Reply-To: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
Message-ID: <4F19A722.3090609@verizon.net>

The two that come to mind are Electric Radio and Nuts and Volts.

On 1/20/2012 11:22 AM, John Sehring wrote:

> Hey Gang,  
>  
> I'm feeling a bit droopy this morn. :( >  
>  
>  
> If you've been hanging around the list for a long time (I've been here since  
about 1996), you know that I love to write! Hopefully it's been good& useful  
stuff.  
>  
> Now--I've had no success in submitting articles to QST. One rejection letter  
after another. Latest one came this morning.  
>  
>  
> For example, I recently posted a piece here on BA about old and new antenna  
rotators and checking& rejuvenating the electrolytic caps in their control boxes.  
>  
> I got a lot of positive feedback on it from members of this list. So I thought  
to let QST have a look at it. Nada!  
>  
> Then I submitted a piece to QST about increasing the versatility of MJF's 1025  
Antenna Noise Canceller with just a few wiring changes. Nada.  
>  
> Another article was about using rebar as ground rods. They're cheap and having  
a molded-in screw thread so you can "screw" even long lengths of it easily into  
the ground with an electric drill. Nope!  
>  
> Do you all know of any other mag. that might take these kinds of articles? CQ I  
know about--but they're generally not very technical.  
>  
>  
> --John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

From kd5byb at kd5byb.net Fri Jan 20 16:15:12 2012  
From: kd5byb at kd5byb.net (Ben Hall)  
Date: Fri, 20 Jan 2012 15:15:12 -0600  
Subject: [BoatAnchors] Articles  
In-Reply-To: <4F19A722.3090609@verizon.net>  
References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
<4F19A722.3090609@verizon.net>  
Message-ID: <4F19D960.7060602@kd5byb.net>

Nuts and Volts is a good magazine - I've subscribed since 1998 or so.  
But I can't recall seeing any ham projects in it?

I \*have\* seen vacuum tube projects in it - couple of nixie tube clocks  
and some switching power supplies for powering said clocks. Pretty neat.

Certainly can't hurt to try Nuts and Volts!

Kind of surprised that QST would reject your articles. But then again,  
I can't understand their logic sometimes.

Many moons ago, they had a Hints-n-Kinks article about using a Home  
Depot type cord winder for storing antenna guy rope. I'd been using  
these for YEARS to wind coax, so I sent them a photo and a little  
write-up and photos about how they work nice for coax. Rejected. I'd  
have figured that more hams would use coax than guy rope - I guess not!

thanks much,  
ben

On 1/20/2012 11:40 AM, Roger Dillon wrote:  
> The two that come to mind are Electric Radio and Nuts and Volts.  
>

From 4cx250b at muohio.edu Fri Jan 20 21:45:40 2012  
From: 4cx250b at muohio.edu (Jim Garland)  
Date: Fri, 20 Jan 2012 19:45:40 -0700  
Subject: [BoatAnchors] Articles  
In-Reply-To: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
Message-ID: <C316651BD0D24B14BB1AE3D9382C7A18@JimsOffice>

Hi John,

Having had articles both rejected and accepted by QST (and other magazines) over the years, I think the key lesson I've taken away is not to take rejections personally. Editors have to weigh many things when deciding on the fate of a submission -- the breadth of interest to the readership, whether the article is too technical or too elementary, whether the material is covered elsewhere in standard references, whether the magazine has published other articles on similar topics in recent years, whether there's a long queue of other submissions that has already been accepted, and so forth. Plus, the editors have to consider the technical accuracy of the article, whether their reviewers are qualified to pass judgment on it, whether the writing conforms to their editorial style, whether the length of the article meets their needs, and whether the photos are high enough resolution and composed well.. And lastly, they have to consider the tone (too formal, too casual) and overall clarity and readability of the prose.

I'm not entirely happy with QST's move in recent years to focus on very short technical articles on basic topics and weekend projects. To me, there should be a balance of technical articles, some of which are at a more advanced level that stretch the reader to learn something new. But that's an editorial decision that isn't in my jurisdiction. QST and the ARRL have worked hard in recent years to increase readership by catering to the influx of new amateurs to the hobby. Focusing on beginners isn't necessarily a bad move, even if it isn't our cup of tea.

73,

Jim W8ZR

> -----Original Message-----

> From: boatanchors-bounces at theporch.com  
[mailto:boatanchors-bounces at theporch.com]

> On Behalf Of John Sehring

> Sent: Friday, January 20, 2012 10:23 AM

> To: Boatanchors List

> Subject: [BoatAnchors] Articles

>

> Hey Gang,

>

> I'm feeling a bit droopy this morn.? :(>

>

>

> If you've been hanging around the list for a long time (I've been here since about 1996), you

> know that I love to write!? Hopefully it's been good & useful stuff.

>

> Now--I've had no success in submitting articles to QST.? One rejection letter after another.

> Latest one came this morning....



From gumbear at pacbell.net Sat Jan 21 03:38:45 2012  
From: gumbear at pacbell.net (Arden Allen)  
Date: Sat, 21 Jan 2012 00:38:45 -0800  
Subject: [BoatAnchors] Articles  
References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
<C316651BD0D24B14BB1AE3D9382C7A18@JimsOffice>  
Message-ID: <003201ccd818\$29ce4360\$329f480c@KB6NAX>

I'm with you, Jim, on what should be in QST, but the reality is literacy has declined drastically due to the effect of constant exposure to TV, the internet, play toy aps on all the electronics gadgetry washing over the world, all creating a generation of short attention span intellectual cripples. You probably have noticed the mini articles in all sorts of magazines now.

Arden

> .....I'm not entirely happy with QST's move in recent years to focus on very short technical articles on basic topics and weekend projects. To me, there should be a balance of technical articles, some of which are at a more advanced level that stretch the reader to learn something new. ....

From arc5 at ix.netcom.com Sat Jan 21 07:54:27 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Sat, 21 Jan 2012 06:54:27 -0600  
Subject: [BoatAnchors] Articles  
In-Reply-To: <4F19A722.3090609@verizon.net>  
References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
<4F19A722.3090609@verizon.net>  
Message-ID: <764DCD2B630245DDA862D82DB26FE6B6@DaddyPC>

The only thing I've ever gotten the "good'ol boys" at ARRL to publish was an article I ghost-wrote years ago about a special-event station, and they published that one on the web site (no longer there).  
I'd have to agree; unless it has some kind of "hook" into one of their advertisers or is by someone in their extended circle of buddies, it's difficult to break-in.  
D.S.

From rbsingl at ilstu.edu Sat Jan 21 09:14:35 2012  
From: rbsingl at ilstu.edu (Singley, Rodger)  
Date: Sat, 21 Jan 2012 14:14:35 +0000

Subject: [BoatAnchors] Articles  
In-Reply-To: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
Message-ID: <0DEBF1C8D8437248BE53CD4213B89BD318D7899A@ISUEMBX01.ad.ilstu.edu>

Hi John,

As an academic type I well remember the anxiety early in my career awaiting manuscript review (and often going through a tedious revise and resubmit process). I feel your pain.

I dropped my ARRL membership a number of years ago for various reasons but even then the technical content of QST was mostly at a kindergarten level. The topics you mention sound like they are of great practical value to a broad group of amateurs but maybe the QST editor doesn't see a fit with the level of their audience.

QST used to have a hints and kinks section and if still there so maybe a shortened version of the rebar or MFJ-1205 article would fit that format. These are sort of like a research note in an academic journal.

Of course the growth area is online publishing. Some of your material would certainly fit the AMfone website which has some content material sections:  
<http://amfone.net/Amforum/index.php>

Good luck!

Rodger WQ9E

Dr. Rodger B. Singley  
Professor of Marketing

-----Original Message-----

From: boatanchors-bounces at theporch.com [mailto:boatanchors-bounces at theporch.com] On Behalf Of John Sehring  
Sent: Friday, January 20, 2012 11:23 AM  
To: Boatanchors List  
Subject: [BoatAnchors] Articles

Hey Gang,

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Another article was about using rebar as ground rods.? They're cheap and having a molded-in screw thread so you can "screw" even long lengths of it easily into the ground with an electric drill. ? Nope!

Do you all know of any other mag. that might take these kinds of articles?? CQ I know about--but they're generally not very technical.

?

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

-----  
BoatAnchors mailing list  
BoatAnchors at theporch.com  
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From kd5byb at kd5byb.net Sat Jan 21 09:11:39 2012  
From: kd5byb at kd5byb.net (Ben Hall)  
Date: Sat, 21 Jan 2012 08:11:39 -0600  
Subject: [BoatAnchors] Electric Radio, was Re: Articles  
In-Reply-To: <4F19A722.3090609@verizon.net>  
References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
<4F19A722.3090609@verizon.net>  
Message-ID: <4F1AC79B.70009@kd5byb.net>

Morning all,

Decided to check out the Electric Radio magazine this morning based on the suggestion below.

Wow, lots of good stuff. Ordered a subscription and four years worth of back-issues on stuff I'm interested in!

thanks much and 73,  
ben, kd5byb

On 1/20/2012 11:40 AM, Roger Dillon wrote:  
> The two that come to mind are Electric Radio and Nuts and Volts.  
>

From rbsingl at ilstu.edu Sat Jan 21 09:24:03 2012  
From: rbsingl at ilstu.edu (Singley, Rodger)  
Date: Sat, 21 Jan 2012 14:24:03 +0000  
Subject: [BoatAnchors] Electric Radio, was Re: Articles  
In-Reply-To: <4F1AC79B.70009@kd5byb.net>  
References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
<4F19A722.3090609@verizon.net> <4F1AC79B.70009@kd5byb.net>  
Message-ID: <0DEBF1C8D8437248BE53CD4213B89BD318D789BB@ISUEMBX01.ad.ilstu.edu>

Ben,

I think the earlier issues are the best of all, no reflection on the editor but more a comment on the slowly shrinking pool of material as more topics are covered. There are good articles throughout the run but you would be well served to acquire the full run while you can (and prepare to lose a bit of your life to reading!). Some articles, for example Jim W8ZR's piece on using inrush current limiters, are deserving of being reprinted in a current issue because of the value to new subscribers. Perhaps the editor should consider printing a "classic" article from an earlier issue every other month or so.

Rodger WQ9E

Dr. Rodger B. Singley  
Professor of Marketing

-----Original Message-----

From: boatanchors-bounces at theporch.com [mailto:boatanchors-bounces at theporch.com] On Behalf Of Ben Hall  
Sent: Saturday, January 21, 2012 8:12 AM  
To: boatanchors at theporch.com  
Subject: [BoatAnchors] Electric Radio, was Re: Articles

Morning all,

Decided to check out the Electric Radio magazine this morning based on the suggestion below.

Wow, lots of good stuff. Ordered a subscription and four years worth of

back-issues on stuff I'm interested in!

thanks much and 73,  
ben, kd5byb

On 1/20/2012 11:40 AM, Roger Dillon wrote:

> The two that come to mind are Electric Radio and Nuts and Volts.  
>

---

BoatAnchors mailing list  
BoatAnchors at theporch.com  
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From ranickel at comcast.net Sat Jan 21 11:31:34 2012  
From: ranickel at comcast.net (Robert Nickels)  
Date: Sat, 21 Jan 2012 10:31:34 -0600  
Subject: [BoatAnchors] Articles  
In-Reply-To: <003201ccd818\$29ce4360\$329f480c@KB6NAX>  
References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
<C316651BD0D24B14BB1AE3D9382C7A18@JimsOffice>  
<003201ccd818\$29ce4360\$329f480c@KB6NAX>  
Message-ID: <4F1AE866.5030009@comcast.net>

On 1/21/2012 2:38 AM, Arden Allen wrote:

> You probably have noticed the mini articles in all sorts of magazines now.  
I can't disagree with that, and while the focus of interests and  
activities is clearly shifting, it's also true that the number of hams  
is at an all-time high. So I reckon those who make these decisions feel  
they're doing the right thing.

One positive aspect I think is the integration of "wireless" technology  
into the educational programs ARRL and others are promoting. Granted  
these are Zigbee or other non-ham devices, but the important thing is  
they're still "radio", and regardless of what power, frequency, or  
modulation type is used, before long you bump into the same basic  
principles we all learned as Novices. For example, when I worked on an  
ISA committee developing standards for industrial wireless  
communications, the first document produced was titled "Principles of  
Radio". RF courses have become important elements of EE programs  
once again.

While the building-blocks continue to get larger and functionality  
migrates from hardware to software, I think that the "art" of doing  
useful things with RF energy still bodes well for the ham radio hobby.

73, Bob W9RAN

From wa3bzt at verizon.net Sat Jan 21 11:20:27 2012  
From: wa3bzt at verizon.net (Ed White)  
Date: Sat, 21 Jan 2012 11:20:27 -0500  
Subject: [BoatAnchors] Articles  
In-Reply-To: <764DCD2B630245DDA862D82DB26FEBB6@DaddyPC>  
References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
<4F19A722.3090609@verizon.net>  
<764DCD2B630245DDA862D82DB26FEBB6@DaddyPC>  
Message-ID: <4F1AE5CB.9010807@verizon.net>

If you have a good heavy Iron article mil or commercial send it to Electric radio they will love to publish it. ARRL only a big business not what they said they were years ago. Hand books are great the old ones are the best.

Ed  
WA3BZT

On 1/21/2012 7:54 AM, David Stinson wrote:

> The only thing I've ever gotten the "good'ol boys" at ARRL to publish  
> was an article I ghost-wrote years ago about a special-event station,  
> and they published that one on the web site (no longer there).  
> I'd have to agree; unless it has some kind of "hook" into one of their  
> advertisers or is by someone in their  
> extended circle of buddies, it's difficult to break-in.  
> D.S.  
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>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>  
>

From gumbear at pacbell.net Sat Jan 21 12:31:44 2012  
From: gumbear at pacbell.net (Arden Allen)  
Date: Sat, 21 Jan 2012 09:31:44 -0800  
Subject: [BoatAnchors] Electric Radio, was Re: Articles  
References:  
<1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com><4F19A722.3090609@verizon.net>  
<4F1AC79B.70009@kd5byb.net>  
<0DEBF1C8D8437248BE53CD4213B89BD318D789BB@ISUEMBX01.ad.ilstu.edu>  
Message-ID: <001901ccd862\$8f9038d0\$999e480c@KB6NAX>

Speaking of QST years gone by, I have at least a couple of decades of QST's

in the small format which I don't remember how long it lasted before switching to the large format. They are free to anyone brave enough to haul them away. I live in San Francisco north bay, Vallejo.

Arden Allen  
KB6NAX

From gumbear at pacbell.net Sat Jan 21 12:54:55 2012

From: gumbear at pacbell.net (Arden Allen)

Date: Sat, 21 Jan 2012 09:54:55 -0800

Subject: [BoatAnchors] Articles

References:

<1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com><C316651BD0D24B14BB1AE3D9382C7A18@JimsOffice><003201ccd818\$29ce4360\$329f480c@KB6NAX>

<4F1AE866.5030009@comcast.net>

Message-ID: <002201ccd865\$cd7b5410\$999e480c@KB6NAX>

> .....while the focus of interests and activities is clearly shifting, it's also true that the number of hams is at an all-time high. So I reckon those who make these decisions feel they're doing the right thing. ....

Sure, to survive publishers have always tied their content to their advertisers who's interests lie towards the inevitable development of new markets. But with ham radio, like all kinds of hobbies, the attraction is in the joining with others and the glue that bonds groups to together is the efforts to develop and maintain a tradition that doesn't readily embrace new developements. Perhaps that defines the difference between a vocation and an avocation. The cooperative and competitive impulses are at odds. ARRL has to straddle both sides of the dichotomy and no doubt has suffered some pain doing that over the years. Myself I favor the stuck-in-the-mud camp as an old fart. The new generations will develop new tradtions that will eventually mire them in their pasts. And that's As the World Turns for today, folks ;-)

Arden

From nielwiegand at aggienetwork.com Sat Jan 21 13:15:19 2012

From: nielwiegand at aggienetwork.com (Niel Wiegand)

Date: Sat, 21 Jan 2012 12:15:19 -0600

Subject: [BoatAnchors] Articles

In-Reply-To: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>

References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>

Message-ID: <4F1B00B7.1030302@aggienetwork.com>

I'm surprised QEX hasn't come up. Lots of technical articles there.

Take a look at <http://www.arrl.org/this-month-in-qex>

73,

Niel - W0VLZ

<http://w0vlz.blogspot.com/>

From arc5 at ix.netcom.com Sat Jan 21 14:00:18 2012

From: arc5 at ix.netcom.com (David Stinson)

Date: Sat, 21 Jan 2012 13:00:18 -0600

Subject: [BoatAnchors] Articles

In-Reply-To: <4F1B00B7.1030302@aggienetwork.com>

References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
<4F1B00B7.1030302@aggienetwork.com>

Message-ID: <789A562F2CEE43DD9166F71F6883DB00@DaddyPC>

----- Original Message -----

From: "Niel Wiegand" <nielwiegand at aggienetwork.com>

Subject: Re: [BoatAnchors] Articles

> I'm surprised QEX hasn't come up. Lots of technical articles there.

While true, Niel, most guys don't write for QEX  
because only about six people read QEX :-D.

From w9ac at arrl.net Sat Jan 21 15:08:19 2012

From: w9ac at arrl.net (Paul Christensen)

Date: Sat, 21 Jan 2012 15:08:19 -0500

Subject: [BoatAnchors] Metalized Propylene Caps

Message-ID: <000601ccd878\$6c921590\$1d3ca8c0@office>

I'm replacing all the paper caps with metalized polypropylene "yellow jackets" in a Hallicrafters SX-25 receiver. The old "Planet" brand paper caps had the familiar black trace line on one end for connection to the lowest Z side of the cap terminals. The tracer marks the end connected to the cap's outer metal foil. i put every cap on a Sencore LC102 analyzer and they all fail leakage and dielectric absorption testing at their rated 600 WVDC.

Recent non-Sprague polypropylene Orange Drops and yellow jackets do not have a black tracer line but I have to believe the foil mechanics are the same. Is it assumed that the foil end is on the left when reading the cap?



Assuming it's true, I just read where the first polypropylene caps were not manufactured until the late '50s. Makes sense as I don't recall seeing them until the '60s, with my first sighting of yellow jackets in Western-Electric products.

Paul, W9AC

From jp at cs.unc.edu Sat Jan 21 16:26:29 2012  
From: jp at cs.unc.edu (John Poulton)  
Date: Sat, 21 Jan 2012 16:26:29 -0500 (EST)  
Subject: [BoatAnchors] Metalized Propylene Caps  
In-Reply-To: <000601ccd878\$6c921590\$1d3ca8c0@office>  
References: <000601ccd878\$6c921590\$1d3ca8c0@office>  
Message-ID: <alpine.LRH.2.00.1201211605120.10920@snapper.cs.unc.edu>

Early film/foil capacitors were, I think, manufactured as follows: starting with a foil-film-foil sandwich, one of the leads was attached to one of the foils, then the capacitor stack was wound around the lead until the full capacitance was built up, and finally a second lead was attached to the other foil. Thus the need for a band to indicate the "foil" or outer connection to the capacitor.

Modern film/foil (and metalized film, too, I think) capacitors are made by exposing one foil on one end of the capacitor and the other foil on the other end by appropriate overlaps, then spraying metal onto the ends of the capacitor to short all of the foils together. Finally leads are welded onto the end spray. Both the end spray and the weld are tricky and finicky processes, whose quality separates good from bad capacitors.

Orange drops are made this way, and the radial leads allow the weld to be very strong and direct, since the lead lies across the end spray. Axial leaded caps have a weld that connects the wire end-on to the spray.. not as good mechanically, but more appropriate for BA repairs, perhaps.

But.. in both cases, there's no "outside" foil, so no band.

A visit to the SB Electronics (as in "Sprague Barry".. one of the few American cap makers left) website will lead you to lots of information on the various kinds of plastic caps, how they're made, and their characteristics. I've had the pleasure/privelege of touring the SB plant, and got to see the amazing end-spray machine. Wholly flying gobs of hot metal, Batman!!

73, John K4OZY

On Sat, 21 Jan 2012, Paul Christensen wrote:

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> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>  
>

From hurstjsj at gmail.com Sat Jan 21 16:38:52 2012  
From: hurstjsj at gmail.com (John Hurst)  
Date: Sat, 21 Jan 2012 13:38:52 -0800  
Subject: [BoatAnchors] Metalized Propylene Caps  
In-Reply-To: <alpine.LRH.2.00.1201211605120.10920@snapper.cs.unc.edu>  
References: <000601ccd878\$6c921590\$1d3ca8c0@office>  
<alpine.LRH.2.00.1201211605120.10920@snapper.cs.unc.edu>  
Message-ID: <DF4CDE9BAC714E699733EFD72BCF9912@office>

In the "old days" for bypass applications, the outer foil was supposed to go to ground. This was to provide shielding for the signal on the live side of the cap. If the cap has a low reactance at the frequency of interest it won't matter at all which side is grounded. It's basically a non-issue with modern caps.

John, KU6X

-----Original Message-----

From: boatanchors-bounces at theporch.com  
[mailto:boatanchors-bounces at theporch.com] On Behalf Of John Poulton

Sent: Saturday, January 21, 2012 1:26 PM  
To: Paul Christensen  
Cc: Old Tube Radios  
Subject: Re: [BoatAnchors] Metalized Propylene Caps

Early film/foil capacitors were, I think, manufactured as follows: starting with a foil-film-foil sandwich, one of the leads was attached to one of the foils, then the capacitor stack was wound around the lead until the full capacitance was built up, and finally a second lead was attached to the other foil. Thus the need for a band to indicate the "foil" or outer connection to the capacitor.

Modern film/foil (and metalized film, too, I think) capacitors are made by exposing one foil on one end of the capacitor and the other foil on the other end by appropriate overlaps, then spraying metal onto the ends of the capacitor to short all of the foils together. Finally leads are welded onto the end spray. Both the end spray and the weld are tricky and finicky processes, whose quality separates good from bad capacitors.

Orange drops are made this way, and the radial leads allow the weld to be very strong and direct, since the lead lies across the end spray. Axial leaded caps have a weld that connects the wire end-on to the spray.. not as good mechanically, but more appropriate for BA repairs, perhaps.

But.. in both cases, there's no "outside" foil, so no band.

A visit to the SB Electronics (as in "Sprague Barry".. one of the few American cap makers left) website will lead you to lots of information on the various kinds of plastic caps, how they're made, and their characteristics. I've had the pleasure/privelege of touring the SB plant, and got to see the amazing end-spray machine. Wholly flying gobs of hot metal, Batman!!

73, John K4OZY

On Sat, 21 Jan 2012, Paul Christensen wrote:

> I'm replacing all the paper caps with metalized polypropylene "yellow  
> jackets" in a Hallicrafters SX-25 receiver. The old "Planet" brand paper  
> caps had the familiar black trace line on one end for connection to the  
> lowest Z side of the cap terminals. The tracer marks the end connected to  
  
> the cap's outer metal foil. i put every cap on a Sencore LC102 analyzer  
and  
> they all fail leakage and dielectric absorption testing at their rated 600  
  
> WVDC.

>  
> Recent non-Sprague polypropylene Orange Drops and yellow jackets do not  
have  
> a black tracer line but I have to believe the foil mechanics are the same.  
Is  
> it assumed that the foil end is on the left when reading the cap?  
>  
> Assuming it's true, I just read where the first polypropylene caps were  
not  
> manufactured until the late '50s. Makes sense as I don't recall seeing  
them  
> until the '60s, with my first sighting of yellow jackets in  
Western-Electric  
> products.  
>  
> Paul, W9AC  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>  
>

-----  
BoatAnchors mailing list  
BoatAnchors at theporch.com  
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From thompson at mindspring.com Sat Jan 21 18:43:20 2012  
From: thompson at mindspring.com (David Thompson)  
Date: Sat, 21 Jan 2012 18:43:20 -0500  
Subject: [BoatAnchors] Articles  
References:  
<1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com><C316651BD0D24B14BB1AE3  
D9382C7A18@JimsOffice>  
<003201ccd818\$29ce4360\$329f480c@KB6NAX>  
Message-ID: <004c01ccd897\$314be320\$685e4d0c@yourxb2x7j77gn>

I quit Electric Radio when they switched to broadcast transmitters and old  
military gear.  
Back in the AM days most of us ran homebrew  
gear or commercial gear like the DX-100, B&W 5100, or Viking II's. Granted  
many had military surplus gear but My first license was 1957 so military was  
great but not to be overdone.

I read thru 'John Sehring's piece on trees a couple of years ago and he is  
good but where does he go. QST contains short articles and CQ has columists  
like my friend K7SZ and they cover almost everything. Perhaps Hints and

Kinks in QST or QEX, the Quarterly Tech Magazine from ARRL that incorporates Communications Quarterly that CQ started. Page 43 of the February 2012 QST at the right bottom tells you how to write for QEX.

Sure wish Ham Radio was around these days....

Good luck John.

73 Dave K4JRB

From johnmb at nc.rr.com Sat Jan 21 19:02:12 2012  
From: johnmb at nc.rr.com (john)  
Date: Sat, 21 Jan 2012 19:02:12 -0500  
Subject: [BoatAnchors] Electric Radio, was Re: Articles  
In-Reply-To: <4F1AC79B.70009@kd5byb.net>  
References: <1327080167.74115.YahooMailNeo@web45610.mail.sp1.yahoo.com>  
<4F19A722.3090609@verizon.net> <4F1AC79B.70009@kd5byb.net>  
Message-ID: <6.2.1.2.2.20120121190106.02ac1020@pop-server.nc.rr.com>

It's a great read, particularly the early issues. I've got them all, having subscribed since I think issue 7 or so after meeting Barry at a hamfest handing out samples. I quickly bought the 6 back issues and have sub'd ever since.

John K5MO

At 09:11 AM 1/21/2012, Ben Hall wrote:  
>Morning all,  
>  
>Decided to check out the Electric Radio magazine this morning based on the  
>suggestion below.  
>  
>Wow, lots of good stuff. Ordered a subscription and four years worth of  
>back-issues on stuff I'm interested in!  
>  
>thanks much and 73,  
>ben, kd5byb  
>  
>On 1/20/2012 11:40 AM, Roger Dillon wrote:  
>>The two that come to mind are Electric Radio and Nuts and Volts.  
>-----  
>BoatAnchors mailing list  
>BoatAnchors at theporch.com

><https://minime.theporch.com/mailman/listinfo/boatanchors>

From mikew0wg at gmail.com Sun Jan 22 08:58:09 2012  
From: mikew0wg at gmail.com (Mike W0WG)  
Date: Sun, 22 Jan 2012 07:58:09 -0600  
Subject: [BoatAnchors] ER magazines  
Message-ID: <744C1EA4-6067-4EBA-9C7F-4365ECA3F749@gmail.com>

Hi All,

I have the complete set of ER magazine collecting dust on my shelf.  
There are 271 issues covering 22+ years (the last issue is Dec. 2011).  
Each year is in a separate storage box (the ones sold by ER).  
I will sell the collection for \$250 shipped (ER gets \$485 + \$18 S&H).

73 de  
Mike W0WG  
mikew0wg at gmail.com

From wb3fau at att.net Sun Jan 22 10:35:36 2012  
From: wb3fau at att.net (wb3fau at att.net)  
Date: Sun, 22 Jan 2012 07:35:36 -0800 (PST)  
Subject: [BoatAnchors] QST articles on BA gear  
Message-ID: <1327246536.77389.YahooMailClassic@web180212.mail.gq1.yahoo.com>

Some of you may remember the old stuff from the 50 and 60s? The mag was just loaded with tech advice on all this stuff. Most of today's newcomers are mostly "appliance operators". Of course newer stuff is a lot harder to fix. Not everyone has access to BA gear. I started into BAs in the late 70s and 80s. Now the stuff is expensive.

Might just be easier to look for old issues of QST-73-and CQ for info on this old stuff. Electric Radio has done a fair job also. Russ.

From rbsingl at ilstu.edu Sun Jan 22 10:52:25 2012  
From: rbsingl at ilstu.edu (Singley, Rodger)  
Date: Sun, 22 Jan 2012 15:52:25 +0000  
Subject: [BoatAnchors] QST articles on BA gear  
In-Reply-To: <1327246536.77389.YahooMailClassic@web180212.mail.gq1.yahoo.com>  
References: <1327246536.77389.YahooMailClassic@web180212.mail.gq1.yahoo.com>  
Message-ID: <0DEBF1C8D8437248BE53CD4213B89BD318D78D27@ISUEMBX01.ad.ilstu.edu>

I would add Radio News (later Radio and Television News) to Russ's list of excellent old magazines to watch for at hamfests. A lot of the articles in this magazine are somewhat more complex than what showed up in QST and there were also quite a few interesting industry articles including an excellent tour of a manufacturing line for high power tubes. John Frye provided a monthly dose of practical service experience through his Mac's Service Shop series.

Unfortunately this magazine was renamed Electronics World by 1960 and it shrunk greatly in size and quality of content. But it had quite a run and the surplus ads from the late 40s and early 50s will really have a vintage gear enthusiast wishing for a "way back" time travel machine as will the creative Walter Ashe ads from St. Louis.

Rodger WQ9E

Dr. Rodger B. Singley  
Professor of Marketing

-----Original Message-----

From: boatanchors-bounces at theporch.com [mailto:boatanchors-bounces at theporch.com] On Behalf Of wb3fau at att.net  
Sent: Sunday, January 22, 2012 9:36 AM  
To: boatanchors at theporch.com  
Subject: [BoatAnchors] QST articles on BA gear

Some of you may remember the old stuff from the 50 and 60s? The mag was just loaded with tech advice on all this stuff. Most of today's newcomers are mostly "appliance operators". Of course newer stuff is a lot harder to fix. Not everyone has access to BA gear. I started into BAs in the late 70s and 80s. Now the stuff is expensive.

Might just be easier to look for old issues of QST-73 and CQ for info on this old stuff. Electric Radio has done a fair job also. Russ.

-----  
BoatAnchors mailing list  
BoatAnchors at theporch.com  
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From: wb0eq at yahoo.com Mon Jan 23 12:31:59 2012  
From: wb0eq at yahoo.com (John Sehring)  
Date: Mon, 23 Jan 2012 09:31:59 -0800 (PST)  
Subject: [BoatAnchors] Articles  
Message-ID: <1327339919.98571.YahooMailNeo@web45601.mail.sp1.yahoo.com>

Thank you for all the feedback on my "author's lament" at being rejected.

I've learned to have some thick skin about this, been writing for popular press (amateur and hifi) for several decades (but with long dry spells at this end) but still.? And no I don't know what pressure the QST guys are under when select or reject manuscripts.

On QST content...yes I think it's been dumbed down over the last 10 years or so.? At same time QEX's technicals are sometimes in the clouds.? So I see a large technical gap between the two.? (I let my QEX sub lapse & used money instead for RSGB membership & magazine.)

Too bad the Jim Fisk's Ham Radio mag had to go away when he passed on so many years ago.? I think it was the best ever.

You've given me some other channels to investigate for article submission.? When things settle down here, I'll pursue them.

Thanks again for the support, Group!

?

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

From gumbear at pacbell.net Mon Jan 23 14:07:45 2012

From: gumbear at pacbell.net (Arden Allen)

Date: Mon, 23 Jan 2012 11:07:45 -0800

Subject: [BoatAnchors] Articles

References: <1327339919.98571.YahooMailNeo@web45601.mail.sp1.yahoo.com>

Message-ID: <002401ccda02\$50939220\$5e9d480c@KB6NAX>

I think, John, publishing for what you want to do is heading for the internet exclusivley. It's just very scattered yet around personal websites that survive as non-profits. Forums are mostly chucked full of chatter. I haven't been looking but I wonder if anyone is running a website for freelance technical writers. There are for music composers. Wiki is the closest I know for technical writers but it's encyclopedic. Something to pursue, no?

Arden

> ....Thank you for all the feedback on my "author's lament" at being rejected.

From bill at iaxs.net Mon Jan 23 19:16:50 2012



From: bill at iaxs.net (Bill Hawkins)  
Date: Mon, 23 Jan 2012 18:16:50 -0600  
Subject: [BoatAnchors] Articles  
In-Reply-To: <1327339919.98571.YahooMailNeo@web45601.mail.sp1.yahoo.com>  
References: <1327339919.98571.YahooMailNeo@web45601.mail.sp1.yahoo.com>  
Message-ID: <B0B0961371974F1CAA4F93589EF56669@system071>

See indented paragraphs.

-----Original Message-----

From: John Sehring  
Sent: Monday, January 23, 2012 11:32 AM

On QST content...yes I think it's been dumbed down over the last 10 years or so.?

Along with most everything else. Looking at History Channel or Discovery tapes from 10 years ago brings a tear to the eye.

The new power structure of multinational banks and businesses is preparing us to be a third world country.

There are a hundred others already there whose free markets were cornered and democracy purchased.

Now the countries' resources are controlled by some powerful foreigner who doesn't need to hire them at all.

But cheer up, look on the bright side, and never, never give up that ship. [The Old Philosopher, ca. 1960]

Too bad that Jim Fisk's Ham Radio mag had to go away when he passed on so many years ago.? I think it was the best ever.

So why not start a magazine in the middle? You'd need some friends in the business, but advertizing will make you rich.

You've given me some other channels to investigate for article submission.? When things settle down here, I'll pursue them.

Ah, but they never do . . .

Boatanchors, OTOH, pass on to the recycler when you get so old that other things demand priority and smaller space.

Bill Hawkins

From wb0eq at yahoo.com Mon Jan 23 22:47:15 2012  
From: wb0eq at yahoo.com (John Sehring)  
Date: Mon, 23 Jan 2012 19:47:15 -0800 (PST)

Subject: [BoatAnchors] QEX & RSGB  
In-Reply-To: <DF514015-458B-4A65-A19B-43911812CF6B@earthlink.net>  
References: <1327339919.98571.YahooMailNeo@web45601.mail.sp1.yahoo.com>  
<DF514015-458B-4A65-A19B-43911812CF6B@earthlink.net>  
Message-ID: <1327376835.16834.YahooMailNeo@web45603.mail.sp1.yahoo.com>

QEX is cheaper if you're an ARRL member.

RSGB has had a hard time of it, fewer licensed amateurs AND even fewer subscribers to RSGB.? The mag, RadCom, has come somewhat down from what it was even 5 yrs ago but I still like it.? They're in the midst of a big organizational change & I wish them the best.

Membership means nice discounts on RSGB pubs, so I got their Radio Comms Handbook, it's a lovely womping-large volume that draws writers from all over the world; a great complement to the ARRL Radio Handbook.??

(BTW, I don't like the title & drift of the new subtitle of latest ARRL Radio Handbook "The Comprehensive RF Engineering Reference".? This is blasted nonsense!!!? I'm not in ham radio for the "engineering" of it.? I am NOT a BSEE by trade & don't want to be!? I consider myself a very ardent radio amateur, NOT a professional!)

Also, Pat Hawker's (G3VA) famous Tech Topics columns for \*50\* years from RadCom are available in print and CD (I've got them)--I've enjoyed him for decades.? He's quite the subtle rascal ("British, you know, quite") & has expressed a great fondness for things thermionic; after being criticized for that, he pointed out that most of the electronics techniques we presently use had their genesis in the "valve" days.

I enjoy a different take (British) on same radio topics.

--John Sehring??VE6/WB0EQ??nr. Calgary, Alberta, Canada  
=====

----- Original Message -----  
> From: Roy Morgan <k1lky at earthlink.net>  
> To: John Sehring <wb0eq at yahoo.com>  
> Cc:  
> Sent: Monday, January 23, 2012 7:03:09 PM  
> Subject: Re: [BoatAnchors] Articles  
>

>  
> On Jan 23, 2012, at 12:31 PM, John Sehring wrote:  
> ...? (I let my QEX sub lapse & used money instead for RSGB membership &  
> magazine.)  
>  
> Is it necessary to be an ARRL member to get QEX?  
>  
> I wonder how you like the RSGB one.? Seems like they might be more to my liking.  
>  
> Roy  
>  
>  
> Roy Morgan  
> k1lky at earthlink.net  
> K1LKY Since 1958 - Keep 'em Glowing!  
> ?

From knjhanlon at msn.com Wed Jan 25 15:28:00 2012  
From: knjhanlon at msn.com (JAMES HANLON)  
Date: Wed, 25 Jan 2012 13:28:00 -0700  
Subject: [BoatAnchors] Classic Exchange this Sunday  
Message-ID: <SNT106-W85124A0068AB7EA308CBFA0880@phx.gbl>

Y'all,

You are invited to join in on the Classic Exchange this coming Sunday, January 28. It's a low key contest/QSO party for folks who enjoy running older equipment of any age or variety. You can find details at <http://www.classicexchange.org/> . Click on January 2012 CX ANNOUNCEMENT.

This Sunday will be the CW portion of the CX. There is usually quite a bit of activity on 40 meters, centered around 7045 kc, in the afternoon. Folks then move to 80 meters later on, working around 3534 kc. You may also find 20 meter activity around 14045, especially in the early to mid afternoon. You can drop in for just a few minutes, or you can stay for several hours if you wish. You can work the same station on different bands or even again on the same band if he or you changes his transmitter or receiver or both - or even his transceiver - so there are plenty of opportunities for QSOs.

This time we will have a participant from Japan! Kazu, JA3KNB, should be on 21135 starting around 0000 Z. Please listen for him and give him a CX QSO. He's a really nice guy.

The phone portion of the CX for AM, FM and SSB will run on Sunday, February 12. Details are also on the web page above.

Hope to CU on the CX,

Jim Hanlon, W8KGI

From arc5 at ix.netcom.com Thu Jan 26 07:11:24 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Thu, 26 Jan 2012 06:11:24 -0600  
Subject: [BoatAnchors] GRC-109 Owners:  
Message-ID: <BA8567BC528045A1BBCF9EE63391B2E6@DaddyPC>

Re: The power supplies Fair Radio sells  
for the GRC-109.

I have one here- with the B+ cooled-down a bit-  
I use to power SCR-288 and other projects.  
Works excellent and I recommend it.  
I need to get a few more of the 5-pin plugs  
that connect the transmitter power, but I have  
no idea what to call them :-D. My junk box  
ran-out after two.

"5-pin connector" on Google or Ebay returns  
a forest of audio DIN plugs, of course.  
Can anyone give me a name for this plug?

TNX DE Dave AB5S

From arc5 at ix.netcom.com Sun Jan 29 15:32:18 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Sun, 29 Jan 2012 14:32:18 -0600  
Subject: [BoatAnchors] Early Heath MA-4 Receiver Diagram?  
Message-ID: <83F1BA04475E497180AD7F709338CB96@DaddyPC>

Does anyone have access to a diagram for the early  
Heath MA-4 battery aircraft receiver?  
No luck on Google.

Thanks!  
Dave S.

From ddillman at igc.org Tue Jan 31 13:56:59 2012  
From: ddillman at igc.org (Richard Dillman)  
Date: Tue, 31 Jan 2012 10:56:59 -0800 (GMT-08:00)  
Subject: [BoatAnchors] Marconi lecture at Point Reyes available online  
Message-ID: <27267732.1328036219017.JavaMail.root@mswamui-billy.atl.sa.earthlink.net>

In November of last year Cam Trowbridge, author of "Marconi: Father of Wireless, Grandfather of Radio, Great-Grandfather of the Cell Phone, The Story of the Race to Control Long-Distance Wireless" presented a lecture at the Point Reyes National Seashore. For those who were unable to attend the lecture and slide show are available for download at:

[http://www.commonweal.org/new-school/TNS\\_Library2011.html#Marconi](http://www.commonweal.org/new-school/TNS_Library2011.html#Marconi)

Cam's book is also available for sale to visitors at the KPH receive site at Point Reyes. Cam was generous enough to donate a portion of these sales to the MRHS.

Regards,

RD

=====  
Richard Dillman, WPE2VT  
Chief Operator, Coast Station KSM  
Maritime Radio Historical Society  
<http://www.radiomarine.org>  
=====

From bkemp at bobkemp.com Tue Jan 31 17:05:45 2012  
From: bkemp at bobkemp.com (Bob Kemp)  
Date: Tue, 31 Jan 2012 16:05:45 -0600  
Subject: [BoatAnchors] crystals needed  
Message-ID: <01ea01cce064\$7be09910\$73a1cb30\$@com>

Need xtals for my Hallicrafters HA-10 converter: They are as follows. 6.0, 6.5, 7.0, 7.5, 8.0, 8.5 and 9.0 mhz. These are in the standard HC-6 xtal holders (like Collins xtals).

Bob

Wa0vrc

THE GREATEST COMPLIMENT I CAN RECEIVE IS THE REFERRAL OF FRIENDS AND FAMILY

Bob Kemp

Kemp Insurance  
Kemp Real Estate LLC  
108 E. Center St.  
Lake City, MN 55041  
phone: 651-345-5345  
FAX 651-345-2707  
email: <mailto:bkemp at bobkemp.com> bkemp at bobkemp.com

From artleb at earthlink.net Tue Jan 31 23:35:17 2012  
From: artleb at earthlink.net (Art Lebermann)  
Date: Tue, 31 Jan 2012 20:35:17 -0800 (GMT-08:00)  
Subject: [BoatAnchors] National RX?  
Message-ID: <18624067.1328070917641.JavaMail.root@elwamui-ovcar.atl.sa.earthlink.net>

It looks like a National HRO, possibly the 4th version, 1938 - 1943. This is based on info from "Communications Receivers - The Vacuum Tube Era", by Raymond Moore.

ART  
W6REQ

-----Original Message-----  
>From: David Stinson <arc5 at ix.netcom.com>  
>Sent: Jan 31, 2012 9:10 PM  
>To: boatanchors at theporch.com, boatanchors at mailman.qth.net  
>Subject: [BoatAnchors] National RX?  
>  
>Can anyone identify this National?  
>  
><http://home.netcom.com/~arc5/nationalrx.jpg>  
>  
>Thanks!  
>  
>-----  
>BoatAnchors mailing list  
>BoatAnchors at theporch.com  
><https://minime.theporch.com/mailman/listinfo/boatanchors>